FORMER G & C SERVICES

255 EAST 138TH STREET

BRONX COUNTY

BRONX, NEW YORK

SITE MANAGEMENT PLAN

NYSDEC Site Number: C203057

Prepared for:

EAST 138TH STREET LLC

334-336 EAST 110TH STREET

NEW YORK, NEW YORK 10029

Prepared by:

IRA N. PIERCE, P.E.

3400 FT. INDEPENDENCE STREET, SUITE 4F

BRONX, NEW YORK 10463

Revisions to Final Approved Site Management Plan:

Revision No.	Date Submitted	Summary of Revision	NYSDEC Approval Date
1	1/3/18	Removal of Groundwater Monitoring Requirement	1/11/18

REVISED – FEBRUARY 2018

CERTIFICATION STATEMENT

I, Ira Pierce, certify that I am currently a NYS registered professional engineer as in defined in 6 NYCRR Part 375 and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

P.E.

2/12/2018 DATE



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SITE MANAGEMENT PLAN

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List of Acronyms

AKRF	AKRF, Inc.
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
Brinkerhoff	Brinkerhoff Environmental Services, Inc.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CAMP	Community Air Monitoring Plan
CFR	Code of Federal Regulation
COC	Contaminant of Concern
CP	Commissioner Policy
DER	Division of Environmental Remediation
EC	Engineering Control
ECL	Environmental Conservation Law
ELAP	Environmental Laboratory Approval Program
EWP	Excavation Work Plan

List of Acronyms (continued)

FER	Final Engineering Report
Getty	Getty Properties Corporation
GWQS	Groundwater Quality Standards
HASP	Health and Safety Plan
IC	Institutional Control
Middleton	Middleton Environmental, Inc.
NFA	Letter of No Further Action
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYCRR	New York Codes, Rules and Regulations
ORC®	Oxygen Release Compound
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
PRR	Periodic Review Report
PWG	P.W. Grosser
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAP	Remedial Action Plan
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RP	Remedial Party
RSO	Remedial System Optimization
Sanborn	Sanborn® Fire Insurance Maps
SCG	Standards, Criteria and Guidelines
SCO	Soil Cleanup Objective
SI	Site Investigation
SMP	Soil Management Plan
SOP	Standard Operating Procedures
SVOC	Semi-volatile Organic Compound
Tyree	The Tyree Organization, Ltd.
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound

ES EXECUTIVE SUMMARY

A three-track cleanup (Track 1, Track 2, and Track 4) was achieved for this Site. The following provides a brief summary of the controls implemented for the Site, as well as the inspections, monitoring, maintenance and reporting activities required by this Site Management Plan (SMP):

Site Identification No: C203057 **Site Name and Address:** Former G & C Services, 255 East 138th Street, Bronx, New York

Institutional Controls:	1. The property may be used for restricted residential, commercial, and industrial uses.
	2. All Engineering Controls (ECs) must be operated and maintained as specified in this SMP.
	3. The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York City Department of Health and Mental Hygiene (NYC DOHMH) to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
	4. Groundwater and other environmental or public health monitoring must be performed as defined in this SMP.
	5. Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP.
	6. All future activities that will disturb remaining contaminated material in the Track 2 and 4 areas of the Site must be conducted in accordance with this SMP.
	7. Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP.
	8. Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

Site Identification No: C203057 **Site Name and Address:** Former G & C Services, 255 East 138th Street, Bronx, New York

Institutional Controls (cont.):	9. Vegetable gardens and farming on the Site are prohibited.	
Engineering Controls:	1. Track 4 Remedial Area Composite Cover System	
	2. Track 2 and Track 4 Remedial Area Vapor Barrier System in lieu of any future soil vapor evaluation	
Inspections:		**Frequency:**
1. Track 4 Remedial Area Cover Inspection		Annually
Reporting:		
1. Periodic Review Report		Annually, or as otherwise determined by the Department

Further descriptions of the above requirements are provided in detail in the latter sections of this Site Management Plan.

1.0 INTRODUCTION

1.1 General

This Site Management Plan (SMP) is a required element of the remedial program for the Former G & C Services Site located at 255 East 138th Street in Bronx, New York (hereinafter referred to as the "Site"). See **Figure 1** – Site Location Map. The Site is currently in the New York State (NYS) Brownfield Cleanup Program (BCP), Site No. C203057, which is administered by New York State Department of Environmental Conservation (NYSDEC).

East 138th Street LLC entered into a Brownfield Cleanup Agreement (BCA) on May 19, 2011 with the NYSDEC to remediate the Site. A figure showing the Site location and boundaries of this Site is provided in **Figure 2**. The boundaries of the Site are more fully described in the metes and bounds Site description that is part of the Environmental Easement provided in **Appendix I.**

After completion of the remedial work, some soil contamination was left at this Site in the Track 2 and Track 4 Areas, and some residual groundwater and soil vapor contamination may still be present, which is hereafter referred to as on-Site "remaining contamination". Contaminated off-Site soil vapor is also encroaching onto the Site from an unknown off-Site source of chlorinated-related compounds. Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Bronx County Clerk, requires compliance with this SMP and all ECs and ICs placed on the Site.

This SMP was prepared to manage remaining contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the Environmental Easement and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

It is important to note that:

- This SMP details the Site-specific implementation procedures that are required by the Environmental Easement. Failure to properly implement the SMP is a violation of the Environmental Easement, which is grounds for revocation of the Certificate of Completion (COC);

- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6NYCRR Part 375 and the BCA Index #C203057-05-11; Site #C203057 for the Site, and thereby subject to applicable penalties.

All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State. A list of contacts for persons involved with the Site is provided in **Appendix II** of this SMP.

This SMP was prepared by Ira N. Pierce, P.E. on behalf of East 138th Street LLC., in accordance with the requirements of the NYSDEC's DER-10 ("Technical Guidance for Site Investigation and Remediation"), dated May 2010, and the guidelines provided by the NYSDEC. This SMP addresses the means for implementing the ICs and/or ECs that are required by the Environmental Easement for the Site.

1.2 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. Revisions will be necessary upon, but not limited to, the following occurring: a change in media monitoring requirements, upgrades to or shut-down of a remedial system, post-remedial removal of contaminated sediment or soil, or other significant change to the Site conditions. In accordance with the Environmental Easement for the Site, the NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.3 Notifications

Notifications will be submitted by the property owner to the NYSDEC, as needed, in accordance with NYSDEC's DER - 10 for the following reasons:

- 60-day advance notice of any proposed changes in Site use that are required under the terms of the BCA, 6NYCRR Part 375 and/or Environmental Conservation Law.

- 7-day advance notice of any field activity associated with the remedial program.

- 15-day advance notice of any proposed ground-intrusive activity pursuant to the Excavation Work Plan.

- Notice within 48-hours of any damage or defect to the foundation, structures or EC that reduces or has the potential to reduce the effectiveness of an EC, and likewise, any action to be taken to mitigate the damage or defect.

- Verbal notice by noon of the following day of any emergency, such as a fire; flood; or earthquake that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, with written confirmation within 7 days that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action submitted to the NYSDEC within 45 days describing and documenting actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the Site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser/Remedial Party has been provided with a copy of the BCA and all approved work plans and reports, including this SMP.

- Within 15 days after the transfer of all or part of the Site, the new owner's name, contact representative, and contact information will be confirmed in writing to the NYSDEC.

The table below includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of Site-related contact information is provided in **Appendix II.**

Notifications* Table

Name	**Contact Information**
Yuk Yin Wong	yukyin.wong@dec.ny.gov
Jane O'Connell	jane.oconnell@dec.ny.gov
Kelly Lewandowski	kelly.lewandowski@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

2.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

2.1 Site Location and Description

The Site is located at 255 East 138th Street in Bronx, Bronx County, New York and is identified as Bronx Block 2333 Lot 1 on the New York City Tax Map (see **Figure 1** – Site Location Map). The Site is an approximately 0.46-acre area and is bounded by commercial buildings to the north, East 138th Street and commercial storefronts with residential apartments above to the south, Morris Avenue and a senior residential building to the east, and commercial properties to the west. The Site boundary is provided on **Figure 2** – Tax Map. The boundaries of the Site are more fully described in **Appendix I –Environmental Easement**. The owners of the Site parcels at the time of issuance of this SMP is East 138th Street LLC.

2.2 Physical Setting

2.2.1 Land Use

The Site is currently being developed as an eight-story mixed residential/commercial use building. The redevelopment will not be completed for quite some time after the SMP is approved. The Site is zoned M1-4/R7X (manufacturing/residential) and the redevelopment of the Site is consistent with the zoning designation. The eight-story building will consist of 100% affordable or low income rental apartments. The South Bronx Overall Economic Development Corporation ("SoBRO") has received a Brownfield Opportunity Area ("BOA") grant for this area of the South Bronx, and has designated the area as the Harlem River BOA area.

The properties adjoining the Site and in the neighborhood surrounding the Site primarily include commercial and residential properties. East 138th Street and mixed commercial and residential uses properties are located to the south of the Site; commercial properties are located to the north of the Site; Morris Avenue and a senior-living residential building are located to the east of the Site; and commercial properties identified as "Quick Printer" and a "Deli" are located to the west of the Site.

2.2.2 Geology

Geologic conditions at the Site were identified during several previous environmental investigations. According to the Remedial Investigation Report (RIR), prepared by Brinkerhoff in May 2013, a layer of urban historic fill, which consists of various amounts of gravel, brick, concrete, sand, etc. was identified at the Site. The urban historic fill layer was Site-wide and extended to approximately nine (9) feet below grade surface (bgs), with a distribution that appeared to be random horizontally and vertically. All of this contaminated historic fill was removed and disposed of off-Site with the exception of the Track 4 Area where some, but not all, of the urban historic fill was removed.

A gray medium to fine sand was identified between approximately nine (9) feet bgs to an average depth of 14 feet bgs. This layer was also removed in the Track 1 and 2 Areas, but not entirely in the Track 4 Area.

Below 14 feet bgs, sediments consist of interbedded gray and brown silt with some fine sand present to 25 feet bgs, the maximum depth of the environmental borings. Bedrock was not encountered during the previous environmental investigations; however, based on a Subsurface Exploration and Foundation Engineering Report, performed by GZA GeoEnvironmental of New York and dated March 9, 2011, bedrock was encountered between approximately 65 and 85 feet below grade surface across the Site. Geological cross sections are shown on **Figures 3** through **5.** Site-specific boring logs are provided in **Appendix III.**

2.2.3 Hydrogeology

Depth to groundwater varies across the Site between approximately 4.75 and 6.5 feet below grade surface, according to the RIR prepared by Brinkerhoff in May 2013. The inferred groundwater direction is towards the west to southwest. A groundwater contour map is shown in **Figure 6**. The groundwater elevations are in feet above mean sea level. Monitoring well construction logs are provided in **Appendix III.**

2.3 Redevelopment Plan

The Remedial Action was performed to make the Site protective of human health and the environment consistent with the contemplated residential and commercial end use. The redevelopment of the Site includes the construction of an eight-story building that will be utilized for commercial and residential use. The first floor will consist of commercial retail space and the remaining floors, two (2) through eight (8), will consist of residential apartments. In the basement, a ventilated below-grade parking area, using high volume air-exchange in accordance with the NYC mechanical code, will be constructed throughout the entire building footprint that was excavated to 15 feet bgs. The small strip of land along the northern boundary and the northeast corner of the Site and the parking ramp in the western portion of the Site, consist of the Track 4 area of the Site and are not included in the building basement parking area. Additionally, once constructed, the basement will consist of a fire pump room, an electrical room, bicycle storage, tenant storage, staff toilet/lockers, maintenance storage, and retail storage. The first floor will be developed with a nurse's office, an exam room, a mechanical closet, bathrooms, a kitchen, a conference room, a reception room, a program director's room, a common space, multiple retail spaces, two (2) elevators, and a loading dock. The second through eighth floors consist of residential apartments ranging from studios to three (3) bedrooms.

2.4 Investigation and Remedial History

The following provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site. Full titles for each of the reports referenced below are provided in Section 8.0 - References.

2.4.1 Past Uses and Ownership

The 0.4678 acre Site historically consisted of two (2) adjacent parcels in the South Bronx, both of which were former gas stations during their history (2551 3rd Avenue Block 2333/Lot 1) and Third Avenue/138th Street LLC (245 East 138th Street Block 2333/Lot 6). Lot 6 was a gas station and later a gas station and auto repair shop for more

than 80 years. Lot 1 was a gas station for approximately 34 years. Before the gas station operations, between 1891 and 1935, these sites operated as one (1) site. A stone yard and a machine shop were present. These early heavy industrial, and subsequent petroleum related uses caused predominantly petroleum related contamination on the Site.

2.4.2 Historical Reports

Underground Storage Tank (UST) Closure Report, The Tyree Organization, Ltd. (Tyree), October 1998

According to this UST Closure Report, Tyree was retained by Getty Properties Corporation (Getty) in 1998 to remove four (4) 550-gallon gasoline USTs, one (1) 4,000-gallon gasoline UST, and the associated pump island in the western portion of former Block 2333, Lot 6 (245 East 138th Street). On July 1, 1998, the pump island and piping were removed, and contaminated soil was identified. An area of contaminated soil was removed via excavation and off-Site disposal. A spill was reported to NYSDEC and Spill Case No. 98-04000 was assigned. Post-excavation soil samples were collected from each sidewall and the base of the excavation. The excavation was backfilled to grade with stone. On July 8, 1998, the 550-gallon USTs were removed from the Site. No holes were observed in the tanks and groundwater was not encountered. Post-excavation soil samples were collected and the excavation was backfilled with stone. The 4,000-gallon UST was removed on July 10, 1998. No holes were identified in the tank and groundwater was not encountered. Post-excavation soil samples were collected from the east and west sidewalls, and the excavation was backfilled with stone. Several compounds were detected in soil samples at concentrations exceeding applicable standards at the time in the dispenser excavation and the 550-gallon UST excavation.

Phase I ESA, Middleton Environmental, Inc. (Middleton), October 1, 2001

According to the Phase I ESA prepared by Middleton, the former Block 2333, Lot 6 (245 East 138th Street) was developed with a garage building in 1952 and was formerly operated as a Getty gas station. Middleton reviewed the above-referenced Tyree UST Closure Report and determined that the spill number had not been closed and an appropriate number of post-excavation soil samples had not been collected. According to

the NYSDEC-PBS database, a second 4,000-gallon gasoline UST, a 240-gallon fuel oil UST, and a 240-gallon waste oil UST were installed in 1998; however, Getty personnel stated that the tanks were not installed and Middleton did not observe evidence of the tanks on-Site. Middleton observed two (2) monitoring wells on the Site, but groundwater data were not provided by Tyree. Based upon the information provided in the Phase I ESA, Middleton recommended additional investigation of the former tank excavations.

Phase II Site Investigation (SI), P.W. Grosser (PWG), December 4, 2001

PWG was contracted to conduct a Phase II SI on former Block 2333, Lot 6 (245 East 138th Street) in response to the above-referenced Middleton Phase I ESA. Since Tyree did not collect soil samples from the base of the UST excavations or from the south sidewall of the 4,000-gallon UST excavation, PWG installed soil borings in these locations to collect soil samples. One (1) soil sample was collected from each boring. PWG also collected groundwater samples from temporary well points installed within each boring. The soil and groundwater samples were analyzed for Volatile Organic Compounds (VOCs) via EPA Method 8021 (STARS List). The soil samples were compared to the NYSDEC's Residential Soil Cleanup Objectives (SCOs). Laboratory analytical results indicated that several VOCs were detected in each sample at concentrations exceeding the applicable Residential SCOs. Groundwater analytical results were compared to the NYSDEC's Class GA Groundwater Quality Standards (GQS). Laboratory analytical results indicated that VOCs were detected in the samples collected at concentrations exceeding the applicable standards. PWG also collected groundwater samples from the two (2) monitoring wells on the subject property. Laboratory analytical results indicated that VOCs were detected in the samples collected at concentrations less than the applicable standards.

The Phase II SI concluded that significant soil contamination remained on-Site in the vicinity of the former USTs and former dispenser island, serving as a source of VOCs to the groundwater. PWG recommended vertical and horizontal delineation of the soil and installation of additional monitoring wells to calculate groundwater flow direction and to fully delineate groundwater contamination.

Proposed Remedial Action Plan (RAP), PWG, March 14, 2002

Based upon the information obtained from the Phase II SI, PWG proposed a RAP for the former Block 2333, Lot 6 (245 East 138th Street) which consisted of excavating soil from the former pump island location and the former UST locations and delineating the extent of the contamination during excavation via field screening. Post-excavation soil samples were proposed followed by the application of Oxygen Release Compound (ORC®) directly into the excavation. The excavation would then be backfilled. PWG also proposed the installation of two additional monitoring wells and sampling of all the wells on-Site. No other information was provided regarding when the remedial action was completed or the effectiveness of the remedial action. Quarterly groundwater monitoring was performed from August 2004 through May 2006.

No Further Investigation Letter, NYSDEC, November 3, 2006

NYSDEC closed Spill No. 98-04000 and requested that the wells associated with the investigation be decommissioned. The letter stated that the approval did not include off-Site contamination migration or environmental conditions unknown at the time of approval.

Phase I ESA, AKRF, Inc. (AKRF), February 2007

According to the Phase I ESA, former Block 2333, Lot 1 (2551 3rd Avenue) was developed with one (1) building that operated as a KFC fast food restaurant from the 1960s until December 2006. The Site contained a suspected storm-water detention vault and a suspected grease trap related to the restaurant. The Phase I ESA indicated that, while no evidence of USTs was observed during the Site inspection, the 1935 and 1946 Sanborn® Fire Insurance Maps (Sanborns) showed that a gasoline station containing 10 550-gallon gasoline USTs were also present on this portion of the Site. No information was provided during report preparation indicating that the tanks had been removed or properly closed. The Phase I ESA concluded that soil and groundwater may have been affected by historic on-Site and off-Site uses, as well as urban fill and the potential USTs. AKRF recommended a Phase II SI.

Tank and Spill Closure Report, LCS Inc. (LCS), August 31, 2007

According to the Tank and Spill Closure Report, on June 6, 2007, a geophysical investigation was conducted on former Block 2333, Lot 1 (2551 3rd Avenue) to evaluate the presence of USTs. The geophysical survey identified one (1) anomalous area indicative of USTs.

On June 29, 2007, 11 550-gallon USTs and associated piping were removed by Brookside Environmental, Inc. Three (3) of the USTs contained waste oil and the remaining eight (8) USTs contained gasoline. Five (5) of the 11 USTs were observed to contain holes on the bottoms and sidewalls. Petroleum-impacted soils were present on the subject property; therefore, Spill Case No. 07-03567 was assigned. Approximately 205 tons of contaminated soil were excavated and disposed. Groundwater was not encountered during the excavation.

Post-excavation soil samples were collected and analyzed by a New York-certified laboratory for VOCs via EPA Method 8260 and 8270 STARS. VOCs were not detected in the soil samples collected; however, several soil samples showed elevated levels of semi-volatile organic compounds (SVOCs). LCS concluded that the elevated levels of SVOCs were related to historic ash fill found on Site.

No Further Investigation Letter, NYSDEC, May 16, 2008

NYSDEC closed Spill Case No. 0703567 and stated that no further investigation or response would be required. However, groundwater sampling and analysis were not conducted.

Phase I ESA, Brinkerhoff, November 2, 2010

The Phase I ESA was completed for the entire subject property (formerly Block 2333, Lots 1 and 6) and identified the following RECs on the subject property:

2551 3rd Avenue (Formerly Block 2333, Lot 1):

According to Sanborn® Fire Insurance Maps, the subject property was formerly developed as a gasoline service station with 11 550-gallon gasoline USTs. A Tank and Spill Closure Report was prepared for the owner and stated that 11 550-gallon USTs were removed from the subject site. Five (5) of the USTs were discovered to be leaking, and a

NYSDEC Spill Number was assigned. Contaminated soil was removed from beneath the USTs and soil samples were collected. The Tank and Spill Closure Report states that the soil samples did not show elevated levels of VOCs, but SVOCs were detected.

245 East 138th Street (Formerly Block 2333, Lot 6):

According to Sanborn® Fire Insurance Maps, the subject property was formerly developed with a gasoline service station with four (4) 550-gallon gasoline USTs. According to the Environmental Data Resources, Inc. (EDR) search, the subject property was a former Getty gas station with four (4) 550-gallon USTs and one (1) 4,000-gallon UST. These USTs were removed from the subject property, and a discharge was confirmed after removal. A remedial action was conducted and the NYSDEC issued a Letter of No Further Action (NFA) for the spill. The NYSDEC stated in the NFA that gasoline related compounds remained in the groundwater, but were showing signs of a decreasing trend in their concentrations. During the Site visit, Brinkerhoff observed four (4) vent pipes attached to the subject building.

Phase II Site Investigation (SI), Brinkerhoff, January 20, 2011

Brinkerhoff completed a Phase II SI for the entire subject property (formerly Block 2333, Lots 1 and 6), which included a geophysical investigation, soil boring and sample analyses, and a groundwater investigation. The geophysical investigation did not identify anomalies indicative of remaining USTs.

Laboratory analytical results related to the soil investigation reported VOCs below the NYSDEC's Restricted-Residential Use SCOs, but exceeding the CP-51 Soil Cleanup Levels for Gasoline Contaminated Soil. The VOCs benzene, ethylbenzene, xylenes, and isopropylbenzene exceeded the soil cleanup levels; chlorinated VOCs were not detected in the soil samples. The laboratory also reported elevated concentrations of SVOCs, specifically, polynuclear aromatic hydrocarbons (PAHs), and various metals, including lead, chromium, copper, and mercury, at concentrations exceeding the NYSDEC Restricted-Residential Use SCOs.

A groundwater investigation was conducted and the laboratory analytical results indicated that the gasoline-related compounds benzene, toluene, ethylbenzene, xylenes, 1,4,5-trimethylbenzene, and 1,2,4-trimethylbenzene exceeded the applicable GQS.

The presence of the PAHs, metals, and VOCs in the soil and VOCs in the groundwater suggested that contamination related to former petroleum Site operations and contaminated fill were still present at the Site.

Remedial Investigation (RI) Report, Brinkerhoff, May 2013

After entering the BCA, Brinkerhoff completed a RI for the entire subject property (formerly Block 2333, Lots 1 and 6). The following scope of work was performed as part of the RI:

- Advanced 17 soil borings across the Site. Collected 50 soil samples.
- Installed six (6) temporary monitoring well points and four (4) permanent monitoring wells across the Site. Collected 10 groundwater samples.
- Installed eight (8) soil vapor implants across the Site and collected eight (8) soil vapor samples.

The Site contains urban historic fill, which consists of varying amounts of gravel, concrete, brick, and sand, etc. The fill is Site-wide and extends to approximately nine (9) feet below grade surface, and the distribution appears to be random with respect to horizontal distribution and depth. The Site was formerly developed with two (2) gas stations. A total of 16 USTs were present at the Site and were removed prior to 2007. The RI concluded that the historic use of the Site had impacted soil and groundwater, but remedial actions previously completed at the Site have remediated most of the soil contamination related to the former USTs and dispensers. Petroleum-related compounds were detected in groundwater samples. Chlorinated VOCs were detected in vapor samples, even though these compounds were not detected in soil or groundwater beneath the Site. Urban historic fill remains present at the Site. Groundwater was detected at depths ranging from 4.75 feet to 10 feet below grade surface and flows in a west-southwest direction. The groundwater contaminants of concern (COCs) include petroleum-related VOCs, various SVOCs, and metals.

Remedial Action Work Plan (RAWP), Brinkerhoff, October 2013

The following is a summary of the proposed remedial action for the entire subject property (formerly Block 2333, Lots 1 and 6):

1. Implementing a Community Air Monitoring Program (CAMP) for particulates and volatile organic carbon compounds during the excavation of material;
2. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations; and excavation and off-Site removal of soil/fill exceeding the Track 1 or Track 2 SCOs ;
3. Site mobilization involving Site security setup, equipment mobilization, utility mark outs, and marking and staking of excavation areas;
4. Demonstrating Achievement of the Track 1 or Track 2 SCOs through end-point sample results;
5. Transportation and off-Site disposal of all soil/fill material excavated during the installation of the material to allow construction of the mechanical room floor and below grade parking garage in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan, and sampling and analysis of excavated media as required by disposal facilities;
6. Installation of a Preprufe 300R waterproofing membrane (which is also a vapor barrier) beneath the structure and along the foundation sidewalls;
7. The ventilation of the below grade parking area is consistent with NYC Building Code.;
8. Submission of a Final Engineering Report (FER) that describes remedial activities, certifies that the remedial requirements have been achieved, describes all ECs and ICs to be implemented at the Site, if any, and lists any changes from this RAWP that may have been required in the field; and,
9. If a Track 2 cleanup is implemented and the Remedial Action Objectives (RAOs) for soil vapor and/or groundwater have not been achieved, submission of an approved SMP and environmental easement for long-term management of residual contamination is required. The SMP would include plans for operation, maintenance, monitoring, inspection and certification of ECs and reporting at a

specified frequency and the easement will include requirements to implement the SMP and any required ICs and ECs at the Site.

Explanation of Significant Difference Letter, NYSDEC, September 2015

An Explanation of Significant Difference (ESD) was prepared to inform the public of a change in the remedy for the BCP Site. The original remedy for the Site consisted of a Track 2 Cleanup which involved Site-wide excavation to a depth of 15 feet bgs. However, due to structural constraints with the northern adjacent buildings foundation's, excavation along the northern property boundary could not be performed, and therefore, a cover system must be installed at grade level to prevent exposure to contaminants in this new Track 4 area. Due to the need for a Site cover in this area, a Track 2 remedy could no longer be achieved in this portion of the Site. Instead, a Track 4 Cleanup will be achieved in this portion of the Site. The September 2015 ESD further stated: "A vapor barrier/waterproof membrane will also be installed and the below-grade parking garage will be ventilated in accordance with NYC mechanical code".

Technical Manual for the Application of the Oxygen Release Compound (ORC), Brinkerhoff, Revised – October 30, 2015

As part of the selected remedy in the NYSDEC-approved RAWP for the Site located at 255 East 138th Street, Bronx, New York, one (1) of the elements is to treat the groundwater at the Site. Groundwater treatment at the Site includes three (3) components: excavation and off-Site removal of source material (non-hazardous petroleum-impacted soils); Site-wide dewatering; and, application of an Oxygen Release Compound (ORC) into the subsurface soils beneath the proposed development foundation. The third component of the groundwater treatment at the Site is the application of ORC. ORC Advanced® Pellets will be applied to the base depth of excavation in the western portion of the Site. The ORC Advanced® Pellets will be thoroughly mixed with the subsurface soils. Following the application of the ORC into the subsurface soils, the foundation slab will be installed and the dewatering system will no longer be needed and will be turned off. Then, the groundwater will be rebound to its natural state (i.e., elevation) and interact with the ORC Advanced® Pellets and begin accelerating the biodegradation process of the potential petroleum-related VOCs and SVOCs that may exist in groundwater following remediation at the Site.

Chemical Injection Plan for the Newly Proposed Track 4 Ramp Area, Brinkerhoff, June 21, 2016

On December 8, 2015, a Formal Dispute Resolution Notice was filed and a request for a Revised Track 4 Remedy in the area of the proposed ramp along the western boundary of the Site was issued to NYSDEC. Similar to the northern boundary of the Site, extensive soil excavation along the western boundary of the Site cannot occur due to structural constraints with the adjacent building located at 243 East 138th Street. However, petroleum-impacted soil, determined to be "source material" by NYSDEC, was previously identified and NYSDEC required that this "source material" be remediated. As stated in the NYSDEC-approved RAWP soil excavation to 15 feet bgs and application of ORC Advanced® Pellets, manufactured by Regenesis, into the excavation bottom was the original proposed remedy for this portion of the Site, which could not be feasibly achieved. Therefore, treatment, which is the next remedial methodology in the preferred remedial hierarchy of options, was selected and approved by NYSDEC.

The new treatment remedy consists of the following since excavation to 15 feet bgs is no longer possible: (a) the top six (6) feet of soil in this Newly Proposed Track 4 Remedial Area shall be excavated and removed off-Site and (b) a single chemical injection event (ISCO #1) using a mixture of ferrous sulfate and hydrogen peroxide aqueous solutions will be performed as the selected remedy to remediate the petroleum-impacted soil "source material".

The temporary chemical injections will be performed by Environmental Remediation and Financial Services, LLC (ERFS) and the groundwater will be monitored for oxidant concentrations and other parameters during the injection. Prior to and following the chemical injection event (ISCO #1), groundwater sampling will be performed to determine the effectiveness of the "source material" remediation and the treatment of the Site groundwater. Post-injection groundwater sampling will be completed on a quarterly basis until a decreasing trend is established and no evidence of rebounding effects is achieved. If a reduction of the concentrations of gasoline-related compounds is not achieved or if evidence of rebounding concentrations are observed in the post-injection quarterly monitoring, a second temporary chemical injection event

(ISCO #2) will be performed. As mentioned above, post-injection groundwater sampling will be completed on a quarterly basis until a decreasing trend is established and no evidence of rebounding effects is achieved. If a decreasing trend is not established following the temporary chemical injection event (ISCO #2), permanent injection infrastructures may need to be installed, as required by NYSDEC.

The Chemical Injection Plan was prepared to address and remediate the "source material" that was previously identified during the RI and serves as an explanation of the elements that will be performed to remediate the entire Newly Proposed Track 4 Remedial Area for this Site. Following completion of the "source material" remediation, a composite cover system will be installed overlying the residual soils in the entire Newly Proposed Track 4 Remedial Area.

Second Explanation of Significant Difference Letter, NYSDEC, September 2016

A second Explanation of Significant Difference (ESD) was prepared to inform the public of another change in the remedy to expand the area of the Site achieving a Track 4 Cleanup, instead of a Track 2 Cleanup, due to similar structural constraints relative to excavation along the northern boundary of the Site. The Track 4 Cleanup Area will now include the approximately 20 foot wide portion of land located along the western boundary of the Site. Also, for the southeast corner of the Site, the cleanup goal will now achieve a Track 1 cleanup, since the NYURU SCOs were already achieved in this area.

Groundwater Sampling Requirement Termination Letter, NYSDEC, January 2018

NYSDEC issued a letter, dated January 11, 2018, terminating the quarterly groundwater sampling requirement of the original NYSDEC-approved SMP, dated December 2016.

2.5 Remedial Action Objectives (RAOs)

The RAOs for the Site as listed in the Decision Document, dated October 2013, are as follows:

Groundwater

RAOs for Public Health Protection

- Prevent contact with, or inhalation of, volatiles from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer to pre-disposal/pre-release conditions, to the extent practicable.
- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.

2.6 Remaining Contamination

As part of redevelopment, the majority of the Site was excavated to 15 feet bgs except for a small portion of land along the northern boundary and northeast corner that remains at grade level, and the approximately 20 foot wide area of land along the western boundary of the Site (the Track 4 Remedial Area) that was excavated between zero (0) and 15 feet bgs. Soil was not excavated or removed to the base depth in these areas due to the inability to remove such soils without jeopardizing the structural integrity of the adjacent building foundations. Since the soil in these portions of the Site could not be excavated to 15 feet bgs, residual contamination remains at the Site. In addition, off-Site soil vapor contamination was documented in the RI.

In order to achieve the maximum excavation depth of 15 feet below grade surface in the Track 1 and 2 areas across the majority of the Site, extensive dewatering was completed, which has demonstrated a significant reduction in on-Site and off-Site groundwater contamination as a result of the remedy. Following the completion of excavation, ORC® Advanced® Pellets were applied in the open excavation located in the approximately 70 by 75 foot area to the immediate east of the Track 4 Ramp Area. Approximately 330.6 pounds of ORC Advanced® Pellets was applied to the base depth of excavation in the aforementioned area. The ORC Advanced® Pellets were thoroughly mixed with approximately one (1) foot of subsurface soils to enhance natural attenuation and expedite the degradation of any remaining volatile and semi-volatile organic compounds present in the groundwater. However, the petroleum-impacted soil that remains along the western boundary of the Site could not be excavated extensively below the groundwater table and subsequently could not receive the ORC treatment.

In-situ chemical injections were performed in the western Track 4 Area from October 18 through October 21, 2016 to address and remediate the "source material" that was previously identified in the RI. Prior to the start of the chemical injections, ERFS was on-Site and installed one (1) temporary monitoring well, identified as TMW-2, within the treatment area in the western portion of the Site. Prior to injections, Brinkerhoff collected a groundwater sample from the permanent off-Site monitoring well, SMW-1, and from the temporary monitoring well, TMW-2. ERFS advanced a total of 12 chemical injection points between nine (9) and 15 feet bgs within the treatment area.

A total of 1,263 gallons of oxidizer (hydrogen peroxide aqueous solution) and 162 gallons of catalyst (ferrous sulfate) aqueous solution were injected into the subsurface. Additionally, once the "source material" was remediated as described in the Chemical Injection Plan, a Remedial Composite Cover System consisting of a concrete building slab and a layer of Recycled Concrete Aggregate (RCA) and/or virgin quarry stone was installed. In addition, a Preprufe 300R waterproofing membrane, manufactured by Grace, was installed between the concrete building slab and RCA and/or virgin quarry stone. The Composite Cover System and the soil vapor barrier membrane were also installed along the exterior portions of the sidewalls of the Track 4 Area.

Despite the extensive soil and groundwater remediation, some residual contamination in the soil and groundwater remains at the Site and the nature and extent of the remaining contamination is discussed below. In addition, an off-Site source of chlorinated-related compounds in soil vapor is encroaching onto the Site. Engineering Controls (EC) such as a protective cap in the Track 4 Area and a vapor barrier membrane in the Track 4 and Track 2 Areas were installed to protect human health and the environment from the remaining contamination.

A more detailed description of the residual contamination in the soil and groundwater that remains at the Site, and the nature and extent of the remaining contamination is discussed below.

2.6.1 Soil

The soil that remains at 15 feet below grade surface across majority of the Site consists of brown, gray, and black fine sand with varying amounts of silt, clay and peat. The soil that remains at grade level along the northern boundary and around the northeast corner of the Site consists of brown to black fine to coarse sand with varying amounts of silt, brick, and gravel fragments.

A total of 46 samples were collected across the Site. The endpoint samples EP-1 through EP-40, DUP-1, and DUP-2 were analyzed for Target Analyte List (TAL) and Target Compound List (TCL) parameters. Additionally, endpoint samples EP-18 through EP-40, DUP-1, DUP-2, CR-1, CR-2, and CR-3 were analyzed for hexavalent and trivalent chromium. All endpoint sample results were compared to the NYSDEC Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs), the NYSDEC Restricted-Residential Use (Track 2) SCOs, and the New York Protection of Groundwater (NYPGW) Standards.

Base endpoint samples EP-2 through EP-8, EP-9b, EP-12, EP-14, EP-17, EP-19, EP-27, CR-1, CR-2, and CR-3 detected no compounds exceeding the NYSDEC Track 1 SCOs, with the exception of methylene chloride in endpoint samples EP-1 and EP-5 and acetone in endpoint samples EP-1, EP-5, EP-6, EP-7, EP-8, EP-17 and EP-28. These two (2) compounds are common laboratory contaminants; therefore, the aforementioned

endpoint samples still achieve NYSDEC Track 1 SCOs. The Track 1 endpoint soil analytical results are shown on **Figure 7.**

Base endpoint samples EP-11, EP-13, EP-15, EP-16, EP-21, and EP-29 through EP-33 achieved the NYSDEC Track 2 SCOs. Several compounds consisting of benzo[a]anthracene and benzo[a]pyrene in EP-16 and benzo[b]fluoranthene in EP-21 were detected at concentrations exceeding the NYSDEC Track 2 SCOs. However, based on NYSDEC's interpretation of the regulatory definition of the Track 2 Standards, the aforementioned samples still achieve NYSDEC Track 2 SCOs because the soil samples were collected at or deeper than 15 feet bgs. The majority of the property was remediated to NYSDEC Track 2 SCOs and the Track 2 endpoint soil analytical results are shown on **Figure 8**.

Base endpoint sample EP-39, located within the Track 4 Remedial Area, did not achieve the NYSDEC Track 2 SCOs but this area has been covered with the vapor barrier membrane and the composite cover system. Polycyclic aromatic hydrocarbons consisting of benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indo(1,2,3-cd)pyrene in endpoint sample EP-39 were detected exceeding the Track 2 SCOs. Additionally, a small strip of land along the northern boundary of the Site and an approximate 20 foot wide area of land along the western boundary of the Site was remediated to Track 4 acceptable levels The Track 4 area endpoint soil analytical results are shown on **Figure 9**.

Sidewall samples EP-1, EP-9, EP-10, EP-18, EP-20, EP-22 through EP-26, EP-28, and EP-33 detected no compounds exceeding the NYSDEC Track 1 SCOs, with the exception of acetone and methylene chloride. However, as discussed above, these are common laboratory contaminants.

One (1) sidewall sample, EP-20, detected compounds consisting of 1,2,4-trimethylbenzene and m,p-xylenes above the NYSDEC Track 2 SCOs and 1,3,5-trimethylbenzene, benzene, ethylbenzene, o-xylene, and toluene were detected above the NYPGW Standards. Sidewall sample EP-20 was collected at 9.5 feet bgs along the northeastern sidewall of the Site within the Track 4 Remedial Area. However, structural grout injections were horizontally injected within this depth interval along the entire sidewall and the area was completely immobilized by the concrete grout injections. After

the grout injections were completed, Brinkerhoff performed a soil investigation within the vicinity of EP-20 to determine if soil was present between the wood lagging and the adjacent building. However, concrete was observed surrounding the entire area of the EP-20 sidewall sample location and only an insignificant amount of soil was present between the wood lagging and the concrete to the southwest of EP-20. Based on these findings along with the fact that the composite cover system completely covered this Track 4 Area, the previously identified contamination in EP-20 was completely immobilized and NYSDEC required no further action.

The Endpoint Soil Sample Collection Summary is provided as **Table 1** and the Endpoint Soil Sample Result Summary for all endpoint samples in the Track 1, Track 2, and Track 4 Areas are provided in **Tables 2** through **26**. Additionally, **Figures 7** through **9** summarize the results of all soil samples collected at the Site after completion of the remedial action. Analytical laboratory data packages are provided as **Appendix IV**.

2.6.2 Groundwater

As mentioned above, soil was excavated to approximately 15 feet bgs in the Track 1 and 2 Areas across the majority of the Site. As part of excavating the Track 1 and 2 areas to 15 feet below grade surface, extensive dewatering was required across the Site, which likely removed the majority of the contaminated groundwater.

Prior to the start of construction, a temporary off-Site monitoring well was installed down-gradient of the Site on August 20, 2015. Per the NYSDEC-approved RAWP, one (1) groundwater sample, identified as TMW-1, was collected to establish baseline groundwater conditions before the start of remediation. The pre-construction groundwater sample, TMW-1, was analyzed for TCL SVOCs and VOCs. The analytical results detected one (1) SVOC (Napthalene) and several VOCs (1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenze, Acetone, Ethylbenzene, Isopropylbenzene, Methylene Chloride, n Butyl Benzene, sec-Buthylbenzene, and Toluene) at concentrations exceeding the NYSDEC Ambient Groundwater Quality Standards (NYSDEC GWQS). A permanent off-Site monitoring well, identified as SMW-1, was installed down-gradient of the Site on April 28, 2016.

In addition, NYSDEC required two (2) additional groundwater samples be collected prior to the start of the in-situ chemical injections. On October 18, 2016, one (1) groundwater sample was collected from the permanent off-Site monitoring well SMW-1 and one (1) groundwater sample, identified as TMW-2, was collected from an additional temporary on-Site monitoring well that was installed in the Track 4 Area (western ramp area). Both pre-injection groundwater samples were analyzed for TCL VOCs and the results were compared to the NYSDEC GWQS. The analytical results from pre-injection groundwater sample SMW-1 indicated that one (1) compound, n-Propyl Benzene, was detected at above the NYSDEC GWQS; however, the compound was detected at a significantly lower concentration than the pre-construction groundwater sample. The analytical results from the pre-injection groundwater sample TMW-2 indicated that no VOCs were detected above the NYSDEC GWQS. Therefore, both the on-Site and off-Site groundwater results revealed significant reductions as a result of the remedy implemented.

The in-situ chemical injections occurred in the western Track 4 Area from October 18, 2016 through October 21, 2016. Following the completion of the injections, a post-injection groundwater sample was collected from the permanent off-Site monitoring well SMW-1 on November 3, 2016. The post-injection groundwater sample, SMW-1, was analyzed for TCL VOCs. The analytical results from the post-injection groundwater sample, SMW-1, indicated that no VOCs were detected above the NYSDEC GWQS. In addition, all detected compounds in the off-Site post-injection groundwater sample showed decreasing concentrations in comparison to the pre-construction and pre-injection groundwater samples.

Additionally, as per NYSDEC request, one (1) permanent On-Site monitoring well, identified as SMW-2, was installed on December 15, 2016. SMW-2 was installed in the same location as temporary monitoring well TMW-2, in the western portion of the Track 4 ramp area.

In total, one (1) temporary and one (1) permanent monitoring well was installed On-Site in the western Track 4 ramp area and Off-Site in the sidewalk down-gradient of the Site.

Per the original NYSDEC-approved SMP, dated December 2016, monitored natural attenuation of groundwater was required to be performed quarterly. On April 3, 2017, Brinkerhoff collected a groundwater sample from the downgradient off-site monitoring well, SMW-1, and from the on-site monitoring well, SMW-2. The groundwater samples were submitted for analysis of TCL VOCs and analytical results did not detect any VOCs above the NYSDEC GWQS in the groundwater sample from the on-site SMW-2 well. However, six (6) VOCs (1,2,4,5-Tetramethylbenzene, Benzene, Ethylbenzene, Isopropylbenzene, n-Propylbenzene, and sec-Butylbenzene) were detected above the NYSDEC GWQS in the groundwater sample from the downgradient off-site SMW-1 well.

On June 5, 2017, Brinkerhoff collected the second round of groundwater samples from monitoring wells SMW-1 and SMW-2. The groundwater samples were submitted for analysis of TCL VOCs and the analytical results did not detect any VOCs above the NYSDEC GWQS in the groundwater sample from the on-site SMW-2 well. However, seven (7) VOCs (1,2,4,5-Tetramethylbenzene, Acrylonitrile, Benzene, Ethylbenzene, Isopropylbenzene, Naphthalene, and sec-Butylbenzene) were detected above the NYSDEC GWQS in the groundwater sample from the downgradient off-site SMW-1 well.

On August 2, 2017, Brinkerhoff collected the third round of groundwater samples from monitoring wells SMW-1 and SMW-2. The groundwater samples were submitted for analysis of TCL VOCs and the analytical results did not detect any VOCs above the NYSDEC GWQS in the groundwater sample collected from on-site monitoring well SMW-2. Three (3) VOCs (1,2,4,5-Tetramethylbenzene, Isopropylbenzene, and sec-Butylbenzene) were detected above the NYSDEC GWQS in the groundwater sample from the downgradient off-site SMW-1 well.

On November 21, 2017, Brinkerhoff collected the fourth round of groundwater samples from monitoring wells SMW-1 and SMW-2. The groundwater samples were submitted for analysis of TCL VOCs and the analytical results did not detect any VOCs above the NYSDEC GWQS in the groundwater sample collected from on-site monitoring well SMW-2. Two (2) VOCs (Benzene and Isopropylbenzene) were detected above the

NYSDEC TOGS AWQSGV in the groundwater sample from the downgradient off-site SMW-1 well.

Based on the post-remediation analytical data collected from the quarterly sampling events, a request was made to NYSDEC to discontinue the groundwater monitoring requirement for the on-site and off-site monitoring wells. In four (4) quarterly rounds of sampling, on-site monitoring well SMW-2 consistently revealed no exceedances of the NYSDEC GWQS while a decreasing trend of exceedances of the NYSDEC GWQS was revealed in off-site monitoring well SMW-1. In a letter, dated January 11, 2018, NYSDEC approved the request and the groundwater monitoring requirement no longer applies to this site.

Tables 27 through 32 and **Figure 10** summarize the results of the groundwater samples that were collected prior to and after the remedial action. Analytical laboratory data packages are provided as **Appendix V**. The NYSDEC letter approving termination of the groundwater sampling requirement is provided as **Appendix X**.

2.6.3 Soil Vapor

Soil vapor sampling is not required as a part of the Monitoring and Sampling Plan (Section 4.0 of this SMP) because a vapor barrier membrane was installed as an engineering control to address the soil vapor intrusion pathway in the Track 2 and Track 4 Areas of the site. Even though no engineering controls are required by NYSDEC and NYSDOH for the Track 1 Area of the Site, a waterproofing/vapor barrier membrane was incorporated into the building foundation slab within the Track 1 Area and the building foundation is below the groundwater table. Additionally, the Track 1 Area of the Site is within the lowest level of the building and a below-grade ventilated parking structure was installed in accordance with New York City Construction Codes.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 General

Since remaining contamination exists at the Site and is emanating onto the Site from off-Site, Institutional Controls (ICs) and Engineering Controls (ECs) are required to protect human health and the environment. This IC/EC Plan describes the procedures for the implementation and management of all IC/ECs at the Site. The IC/EC Plan is one component of the SMP and is subject to revision by the NYSDEC.

This plan provides:

- A description of all IC/ECs on the Site;
- The basic implementation and intended role of each IC/EC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the controls to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of IC/ECs, such as the implementation of the Excavation Work Plan (EWP) (as provided in **Appendix VI**) for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the Site; and
- Any other provisions necessary to identify or establish methods for implementing the IC/ECs required by the Site remedy, as determined by the NYSDEC.

3.2 Institutional Controls

A series of ICs is required by the Decision Document to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and, (3) limit the use and development of the Site to restricted residential, commercial and industrial uses only. Adherence to these ICs on the Site is required by the Environmental Easement and will be implemented under this SMP. ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The IC boundaries are shown on **Figure 11.** These ICs are:

- The property may be used for: restricted residential, commercial and industrial uses;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) and NYSDOHMH to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
- Groundwater monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in this SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP;

- Operation, maintenance, monitoring, inspection, and reporting of any groundwater well or other physical component of the remedy, such as the vapor barrier and cover system shall be performed as defined in this SMP;

- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on **Figure 11,** and any potential impacts that are identified must be monitored or mitigated; and

- Vegetable gardens and farming on the Site are prohibited;

3.3 Engineering Controls

3.3.1 Composite Cover System – Track 4 Remedial Area

Exposure to remaining soil contamination in the Track 4 Remedial Area at the Site is prevented by a composite cover system placed over the entire Track 4 Remedial Area. Since the Track 4 Remedial Area could not be safely excavated and removed without jeopardizing the structural integrity of the adjacent building foundations, an engineered composite cover system was implemented to prevent human exposure to the residual soils. The Track 4 Remedial Area cover system consists of at a minimum, a four (4) to six (6)-inch concrete foundation slab and an approximate one (1) to two (2)-foot layer of RCA and/or virgin quarry stone. A second engineering control serves the Track 4 and Track 2 Areas of the Site, the vapor barrier membrane, which is further discussed in the section below. No engineering controls are required by NYSDEC and NYSDOH in the Track 1 Area to address the residual soil contamination. However, as part of development, construction of a composite cover system consisting of a concrete foundation slab overlying a vapor barrier membrane, a concrete rat slab and a layer of RCA and/or virgin quarry stone was also installed in the Track 1 and Track 2 Areas. **Figure 12** presents the location of the cover system and a cross-section. The EWP

provided in **Appendix VI** outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection of this cover are provided in the Monitoring and Sampling Plan included in Section 4.0 of this SMP. Any work conducted pursuant to the EWP must also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP), provided as **Appendix VII**, and an associated Community Air Monitoring Plan (CAMP) prepared for the Site and provided as **Appendix VIII.**

3.3.2 Vapor Barrier System – Track 2 and Track 4 Remedial Areas

Exposure to remaining soil vapor contamination in the Track 2 and Track 4 Remedial Areas of the Site is prevented by a vapor barrier system to address the soil vapor intrusion pathway, in lieu of an evaluation of soil vapor intrusion. The vapor barrier system consisted of the installation of the Preprufe 300R waterproofing/vapor barrier membrane, manufactured by Grace, at the base of excavation across the Track 2 and Track 4 Areas and along the exterior portions of the sidewalls in the Track 2 and Track 4 Areas. NYSDEC and NYSDOH determined that the Track 1 Area of the Site does not require an engineering control to address remaining soil vapor contamination; however, as part of development and in lieu of an evaluation of soil vapor intrusion, a waterproofing/vapor barrier membrane was incorporated into the building foundation at the base and along the exterior portions of the sidewalls in the Track 1 Area. Additionally, the building foundation slab was installed below the groundwater table and the Track 1 Area of the Site is within the lowest level of the building in which a below-grade ventilated parking structure was installed in accordance with New York City Construction Codes.

3.3.3 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the

decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10.

3.3.3.1 - Composite Cover System – Track 4 Remedial Area

The composite cover system that was installed in the Track 4 Remedial Area is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity.

3.3.3.2 - Vapor Barrier System – Track 2 and Track 4 Remedial Areas

The vapor barrier system that was employed in the Track 2 and Track 4 Areas of the Site is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in accordance with this SMP in perpetuity.

4.0 MONITORING PLAN

4.1 General

This Monitoring Plan describes the measures for evaluating the overall performance and effectiveness of the remedy. This Monitoring Plan may only be revised with the approval of the NYSDEC.

Site information will be evaluated periodically to confirm that the remedy continues to be effective in protecting public health and the environment. This Monitoring Plan provides information on annual inspection and periodic certification procedures. Reporting requirement are provided in Section 7.0 of this SMP.

4.2 Site -Wide Inspection

Site-wide inspections will be performed at a minimum of once per year. Modification to the frequency or duration of the inspections will require approval from the NYSDEC. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed as provided in **Appendix IX** – Site Management Forms. The form will compile sufficient information to assess the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General Site conditions at the time of the inspection;
- The site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection; and
- Confirm that Site records are up to date.

Inspections of all remedial components installed at the Site will be conducted. A comprehensive Site-wide inspection will be conducted and documented according to the

SMP schedule, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether ECs continue to perform as designed;
- If these controls continue to be protective of human health and the environment;
- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria; and
- If Site records are complete and up to date; and

Reporting requirements are outlined in Section 7.0 of this plan.

Inspections will also be performed in the event of an emergency. If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs that reduces or has the potential to reduce the effectiveness of ECs in place at the Site, verbal notice to the NYSDEC must be given by noon of the following day. In addition, an inspection of the Site will be conducted within 5 days of the event to verify the effectiveness of the IC/ECs implemented at the Site by a qualified environmental professional, as determined by the NYSDEC. Written confirmation must be provided to the NYSDEC within 7 days of the event that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

4.3 Soil Vapor Intrusion Sampling/Evaluation

Soil vapor sampling is not required as a part of the Monitoring and Sampling Plan (Section 4.0 of this SMP) because a vapor barrier membrane was installed as an engineering control to address the soil vapor intrusion pathway in the Track 2 and Track 4 Areas of the site. No engineering controls are required by NYSDEC or NYSDOH for the Track 1 Area of the Site; however, the following items consist of the soil vapor intrusion for the Track 1 portion of the site: the building foundation is below the groundwater table; a waterproofing/vapor barrier membrane was incorporated into the

building foundation; and the Track 1 portion of the Site is within the lowest level of the building and a below-grade ventilated parking structure was installed in accordance with New York City Construction Codes.

5.0 OPERATION AND MAINTENANCE PLAN

5.1 General

The Site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not included in this SMP.

6.0 PERIODIC ASSESSMENTS/EVALUATIONS

6.1 Climate Change Vulnerability Assessment

Increases in both the severity and frequency of storms/weather events, an increase in sea level elevations along with accompanying flooding impacts, shifting precipitation patterns and wide temperature fluctuation, resulting from global climactic change and instability, have the potential to significantly impact the performance, effectiveness and protectiveness of a given Site and associated remedial systems. Vulnerability assessments provide information so that the Site and associated remedial systems are prepared for the impacts of the increasing frequency and intensity of severe storms/weather events and associated flooding.

This section provides a summary of vulnerability assessments that will be conducted for the Site during periodic assessments, and briefly summarizes the vulnerability of the Site and/or engineering controls to severe storms/weather events and associated flooding.

Since the entire Site is capped as part of development with a cover system, there is limited vulnerability for the Site to be affected by flooding. The cover system and waterproofing membrane, installed at the base of the building foundation and along all below-grade foundation walls, were designed to be impermeable. Additionally, there are no groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems that are part of the Site remedy, thus the Site's vulnerability to be affected by flood events or storm surges is very limited.

The Site is not located within a flood plain and the topography of the Site and surrounding properties are all generally flat. No elevated surfaces surround the Site. Since the building encompasses majority of the Site except for the northern boundary, there are limited areas that are prone to flooding during severe weather events. Rainfall during severe weather events is expected to run off the impervious cover along the northern boundary of the Site into New York City storm drains along Third Avenue. However, since the groundwater table is high, the waterproofing membrane over a concrete rat slab was a required design element for the Site building.

The potential for Site erosion does not exist since the building encompasses majority of the Site and the northern boundary of the Site is capped with an at-grade concrete slab. No exposed soil exists at the Site.

The potential for wind damage does not exist since the building encompasses majority of the Site and there are no remedial systems in place that have the potential to be affected.

6.2 Green Remediation Evaluation

NYSDEC's DER-31 Green Remediation requires that green remediation concepts and techniques be considered during all stages of the remedial program including Site management, with the goal of improving the sustainability of the cleanup and summarizing the net environmental benefit of any implemented green technology. This section of the SMP provides a summary of any green remediation evaluations to be completed for the Site during site management, and as reported in the Periodic Review Report (PRR).

The Site remedy does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or air sparge/soil vapor extraction systems to protect public health and the environment. Therefore, waste generation, energy usage, potential emissions, and water usage are not of concern in regards to implementation, operation, and maintenance of the selected remedy for this Site.

6.2.1 Building Operations

The on-Site building will be operated and maintained to provide for the most efficient operation of the remedy, while minimizing energy, waste generation and water consumption.

6.2.2 Frequency of System Checks, Sampling and Other Periodic Activities

Transportation to and from the Site in order to collect samples or ship samples to a laboratory for analysis have direct and/or inherent energy costs. The means of these periodic activities have been prepared so that these tasks can be accomplished in a manner that does not impact remedy protectiveness but reduces expenditure of energy or resources.

6.2.3 Metrics and Reporting

As discussed in Section 7.0 and as shown in **Appendix IX** – Site Management Forms, information on energy usage, solid waste generation, transportation and shipping, water usage and land use and ecosystems will be recorded to facilitate and document consistent implementation of green remediation during site management and to identify corresponding benefits; a set of metrics has been developed.

6.3 Remedial System Optimization

A Remedial Site Optimization (RSO) study will be conducted any time that the NYSDEC or the remedial party requests in writing that an in-depth evaluation of the remedy is needed. An RSO may be appropriate if any of the following occur:

- The remedial actions have not met or are not expected to meet RAOs in the time frame estimated in the Decision Document;
- The management and operation of the remedial system is exceeding the estimated costs;
- The remedial system is not performing as expected or as designed;
- Previously unidentified source material may be suspected;
- Plume shift has potentially occurred;
- Site conditions change due to development, change of use, change in groundwater use, etc.;
- There is an anticipated transfer of the site management to another remedial party or agency; and
- A new and applicable remedial technology becomes available.

An RSO will provide a critique of a site's conceptual model, give a summary of past performance, document current cleanup practices, summarize progress made toward the Site's cleanup goals, gather additional performance or media specific data and information and provide recommendations for improvements to enhance the ability of the present system to reach RAOs or to provide a basis for changing the remedial strategy.

The RSO study will focuses on overall Site cleanup strategy, process optimization and management with the intent of identifying impediments to cleanup and improvements to Site operations to increase efficiency, cost effectiveness and remedial time frames. Green remediation technology and principals are to be considered when performing the RSO.

7.0. REPORTING REQUIREMENTS

7.1 Site Management Reports

All site management inspection, maintenance and monitoring events will be recorded on the appropriate site management forms provided in **Appendix IX.** These forms are subject to NYSDEC revision.

All applicable inspection forms and other records, including media sampling data and system maintenance reports, generated for the Site during the reporting period will be provided in electronic format to the NYSDEC in accordance with the requirements of the table below and summarized in the Periodic Review Report.

Schedule of Interim Monitoring/Inspection Reports Table

Task/Report	Reporting Frequency*
Periodic Review Report	Annually, or as otherwise determined by the Department.

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC.

All interim monitoring/inspections reports will include, at a minimum:

- Date of event or reporting period;
- Name, company, and position of person(s) conducting monitoring/inspection activities;
- Description of the activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet);
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;

- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (to be submitted electronically in the NYSDEC-identified format);
- Any observations, conclusions, or recommendations; and
- A determination as to whether contaminant conditions have changed since the last reporting event.

Routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting maintenance activities;
- Description of maintenance activities performed;
- Any modifications to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and,
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

Non-routine maintenance event reporting forms will include, at a minimum:

- Date of event;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;
- Description of non-routine activities performed;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

Data will be reported in digital format as determined by the NYSDEC. Currently, data is to be supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link http://www.dec.ny.gov/chemical/62440.html.

7.2 Periodic Review Report (PRR)

A PRR will be submitted to the Department beginning sixteen (16) months after the Certificate of Completion is issued. After submittal of the initial Periodic Review Report, the next PRR shall be submitted annually to the Department or at another frequency as may be required by the Department. In the event that the Site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the Site described in **Appendix I** -Environmental Easement. The report will be prepared in accordance with NYSDEC's DER-10 and submitted within 30 days of the end of each certification period. Media sampling results will also be incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the Site.

- Results of the required annual site inspections and severe condition inspections, if applicable.

- All applicable site management forms and other records generated for the Site during the reporting period in the NYSDEC-approved electronic format, if not previously submitted.

- A summary of any discharge monitoring data and/or information generated during the reporting period, with comments and conclusions.

- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor, etc.), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.

- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted in digital format as determined by the NYSDEC. Currently, data is supplied electronically and submitted to the NYSDEC EQuIS™ database in accordance with the requirements found at this link: http://www.dec.ny.gov/chemical/62440.html.

- A Site evaluation, which includes the following:

  - The compliance of the remedy with the requirements of the Site-specific RAWP, ROD or Decision Document;

  - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;

- Any new conclusions or observations regarding Site contamination based on inspections or data generated by the Monitoring and Sampling Plan for the media being monitored;

- Recommendations regarding any necessary changes to the remedy and/or Monitoring and Sampling Plan; and

- Trends in contaminant levels in the affected media will be evaluated to determine if the remedy continues to be effective in achieving remedial goals as specified by the Decision Document.

- The overall performance and effectiveness of the remedy.

7.2.1 Certification of Institutional and Engineering Controls

Following the last inspection of the reporting period, a Professional Engineer licensed to practice in New York State will prepare, and include in the Periodic Review Report, the following certification as per the requirements of NYSDEC DER-10:

"For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- *The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;*

- *The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;*

- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*

- *Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;*

- *Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*

- *If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document;*

- *Use of the Site is compliant with the environmental easement;*

- *The engineering control systems are performing as designed and are effective;*

- *To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and*

- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Ira Pierce, of 3400 Ft. Independence Street, Suite 4F, Bronx, New York, am certifying as the Remedial Party's Designated Site Representative and I have been authorized and designated by all Site owners/remedial parties to sign this certification for the Site."

At the end of each certifying period, as determined by the NYSDEC, the following certification will be provided to the Department:

"For each institutional identified for the Site, I certify that all of the following statements are true:

- *The institutional control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;*

- *Nothing has occurred that would impair the ability of the control to protect the public health and environment;*

- *Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;*

- *Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;*

- *If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document;*

- *Use of the Site is compliant with the environmental easement.*

- *The information presented in this report is accurate and complete.*

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Ira Pierce, of 3400 Ft. Independence Street, Suite 4F, Bronx, New York, am certifying as the Owner's Designated Site Representative and I have been authorized and designated by all site owners to sign this certification for the Site."

- *No new information has come to my attention, including groundwater monitoring data from wells located at the Site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-Site contamination are no longer valid; and*

- *The assumptions made in the qualitative exposure assessment remain valid.*

The signed certification will be included in the Periodic Review Report.

The Periodic Review Report will be submitted, in electronic format, to the NYSDEC Central Office, Regional Office in which the Site is located and the NYSDOH Bureau of Environmental Exposure Investigation. The Periodic Review Report may need to be submitted in hard-copy format, as requested by the NYSDEC project manager.

7.3 Corrective Measures Work Plan

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a Corrective Measures Work Plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the Corrective Measures Work Plan until it has been approved by the NYSDEC.

8.0 REFERENCES

Underground Storage Tank Closure Report, Tyree Organization, Ltd. October 1998.

Phase I Environmental Site Assessment, Middleton Environmental, Inc. October 1, 2001.

Phase II Site Investigation, P.W. Grosser. December 4, 2001.

Proposed Remedial Action Plan, P.W. Grosser. March 14, 2002.

No Further Investigation Letter, New York State Department of Environmental Conservation, November 3, 2006.

Phase I Environmental p Assessment, Brinkerhoff Environmental Services, Inc. November 2, 2010.

Phase II Site Investigation Report, Brinkerhoff Environmental Services, Inc. January 20, 2011

Remedial Investigation Report, Brinkerhoff Environmental Services, Inc. May 2013

Remedial Action Work Plan, Ira Pierce, P.E. - Brinkerhoff Environmental Services, Inc. October 2013

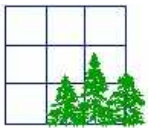
6NYCRR Part 375, Environmental Remediation Programs. December 14, 2006.

NYSDEC DER-10 – "Technical Guidance for Site Investigation and Remediation".

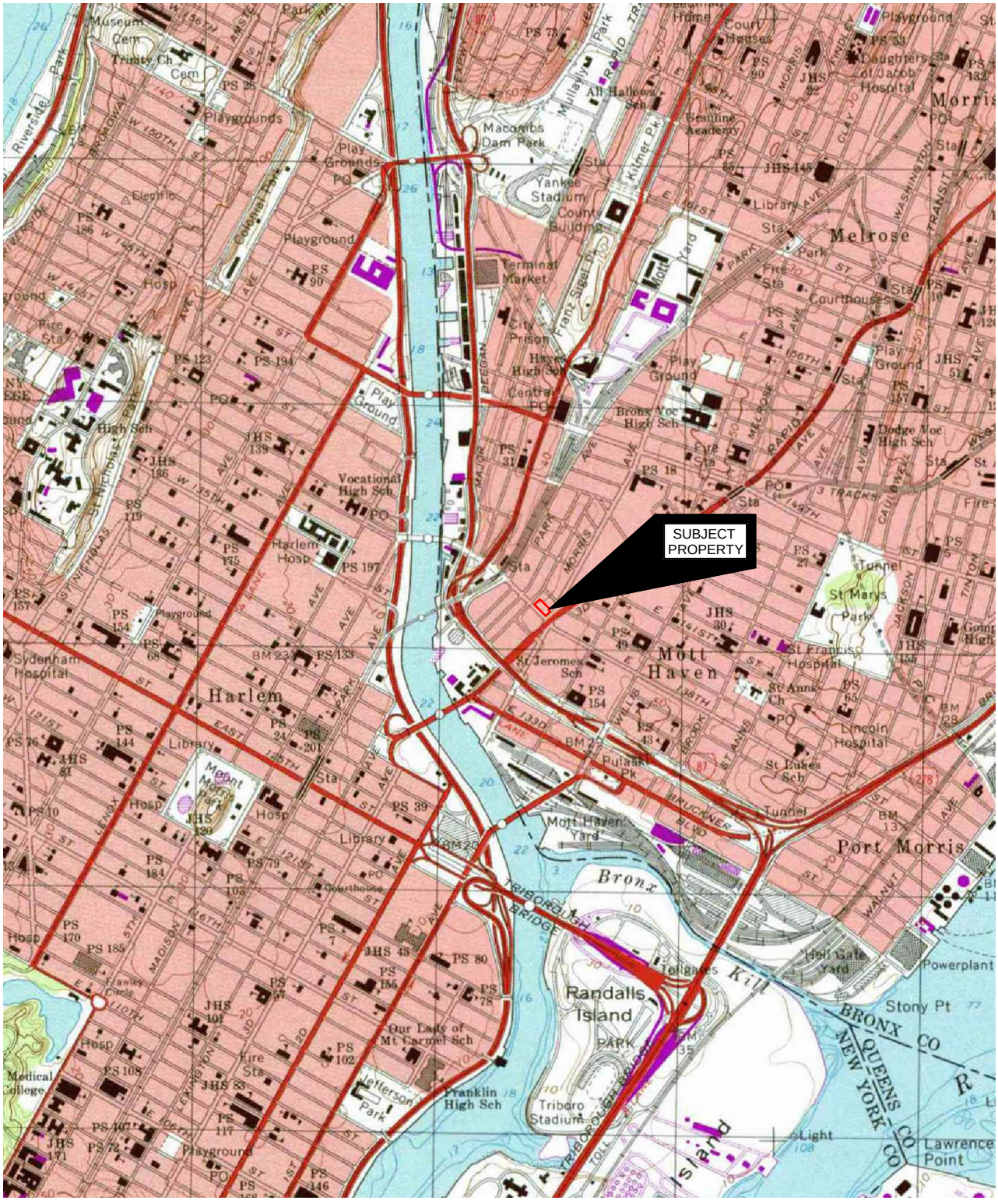
NYSDEC, 1998. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 addendum).

NYSDEC Decision Document and Explanation of Significant Differences. 2013-2016

NYSDEC Groundwater Sampling Requirement Termination Letter. January 11, 2018.



Figures



SCALE: 1 : 24,000
PHOTO REVISED: 1995

0′ 1000′ 2000′

SCALE: 1"=2000′

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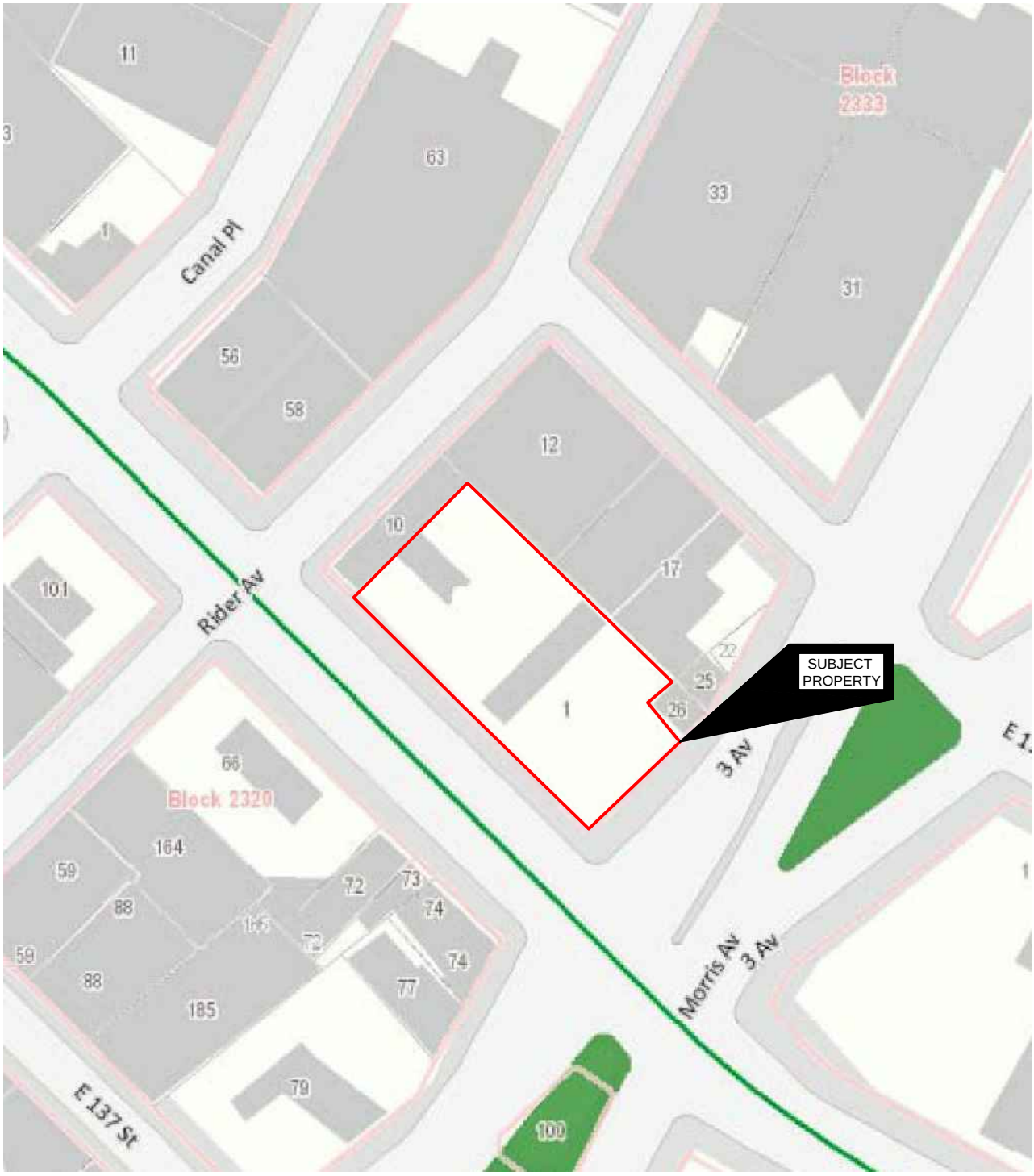
ENVIRONMENTAL SERVICES, INC.

FIGURE 1 - SITE LOCATION MAP
U.S.G.S. TOPOGRAPHIC CENTRAL PARK, NY QUAD
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 10/28/16	JOB NO.: 10BR188	SCALE: 1" = 2000′



0′ 50′ 100′

SCALE: 1"=100′

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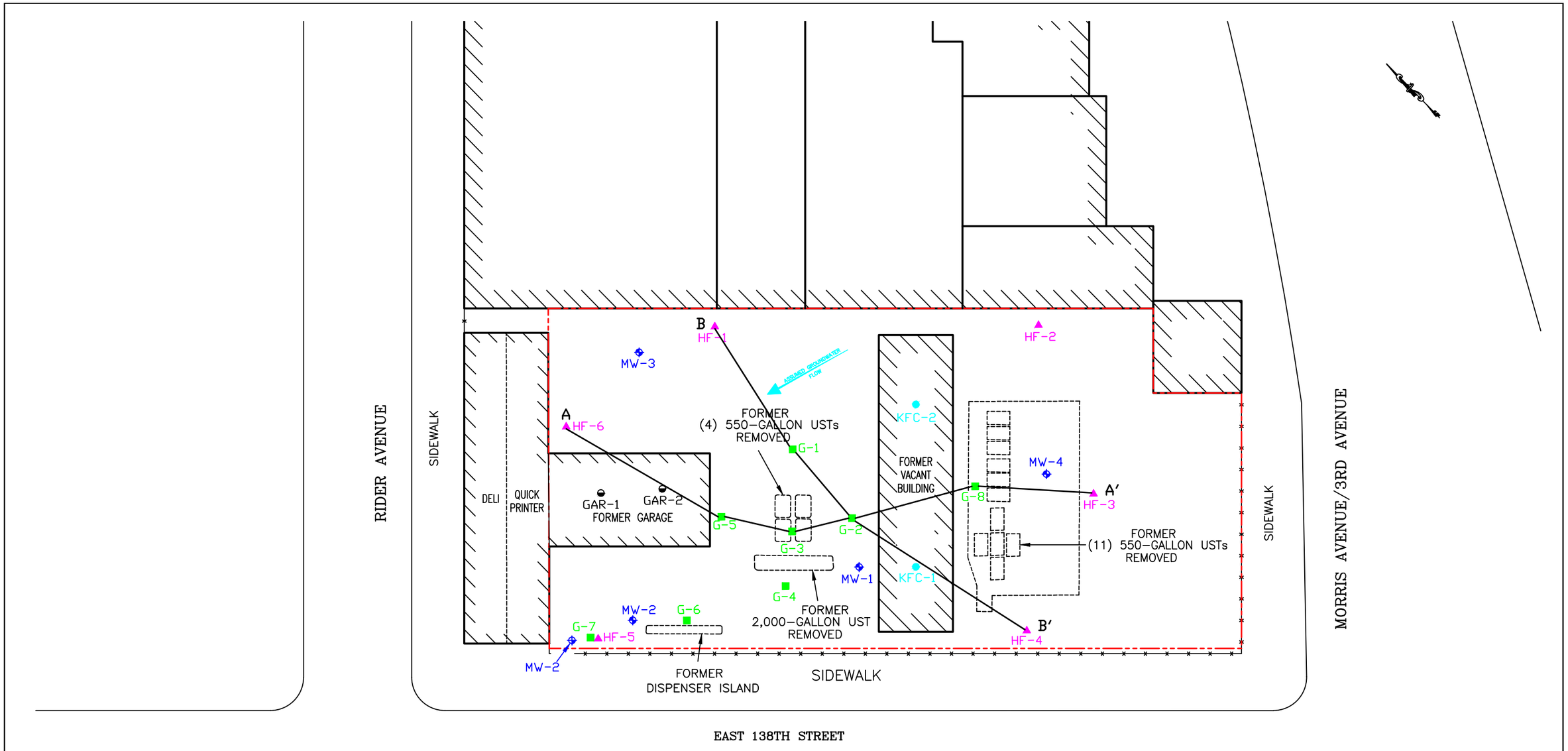
ENVIRONMENTAL SERVICES, INC.

FIGURE 2 - TAX MAP

255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 10/28/16	JOB NO.: 10BR188	SCALE: 1″ = 100′



LEGEND

- PROPERTY BOUNDARY
- MW-1 – MONITORING WELL LOCATION
- G-1 – SOIL BORING SAMPLE LOCATION
- HF-1 – SOIL BORING SAMPLE LOCATION
- KFC-1 – SOIL BORING SAMPLE LOCATION
- GAR-1 – SOIL BORING SAMPLE LOCATION
- A—A' – CROSS SECTIONS (SEE FIGURES 10 & 11)

NOTE:
THIS MAP IS REFERENCED FROM THE REMEDIAL INVESTIGATION REPORT, DATED MAY 2013, AND PREPARED BY BRINKERHOFF ENVIRONMENTAL SERVICES, INC.

0′ 15′ 30′
SCALE: 1"=30′

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ENVIRONMENTAL SERVICES, INC.

FIGURE 3
GEOLOGICAL CROSS-SECTION KEY MAP
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 10/28/16	JOB NO.: 10BR188	SCALE: 1′ = 30′

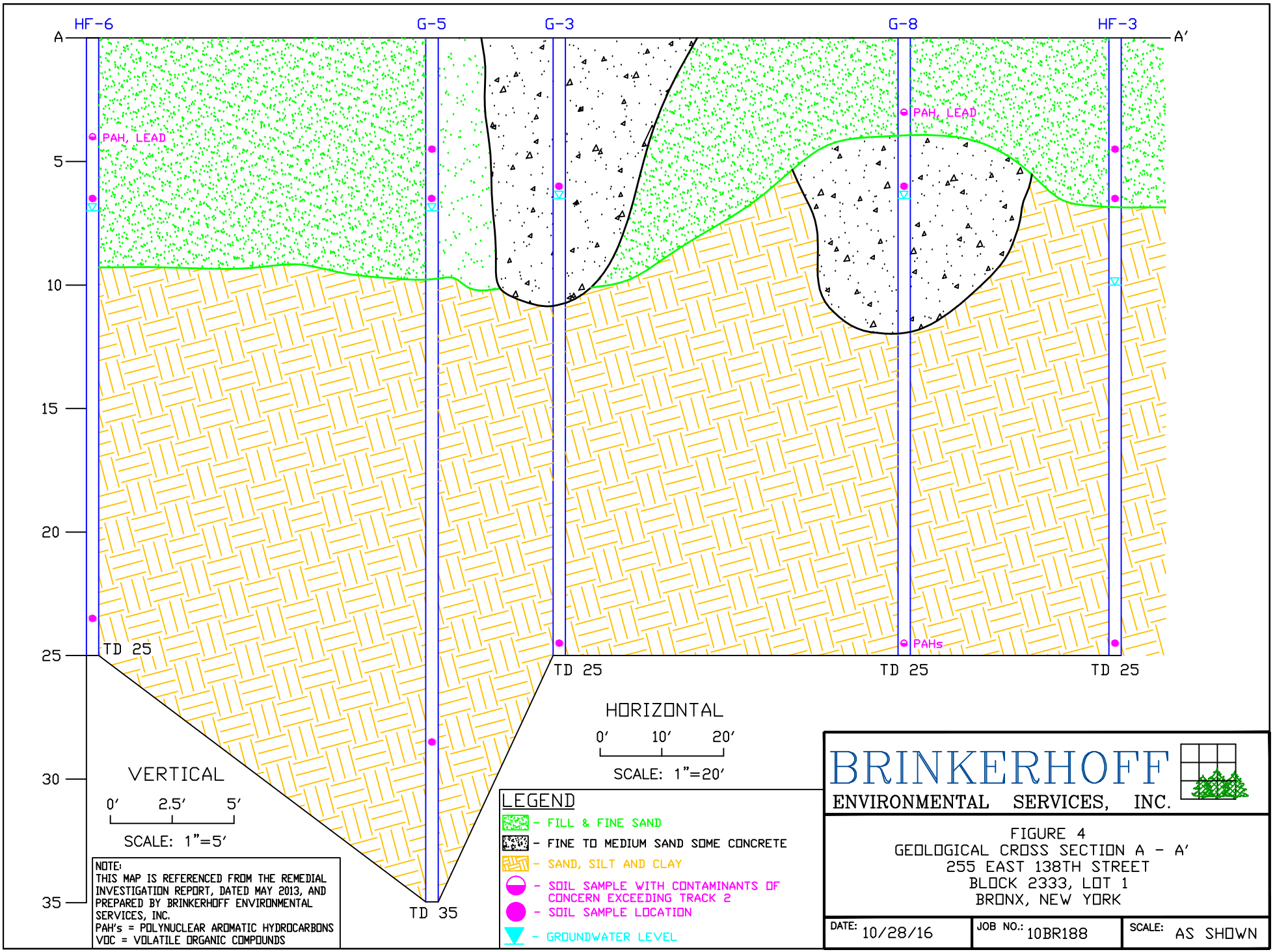

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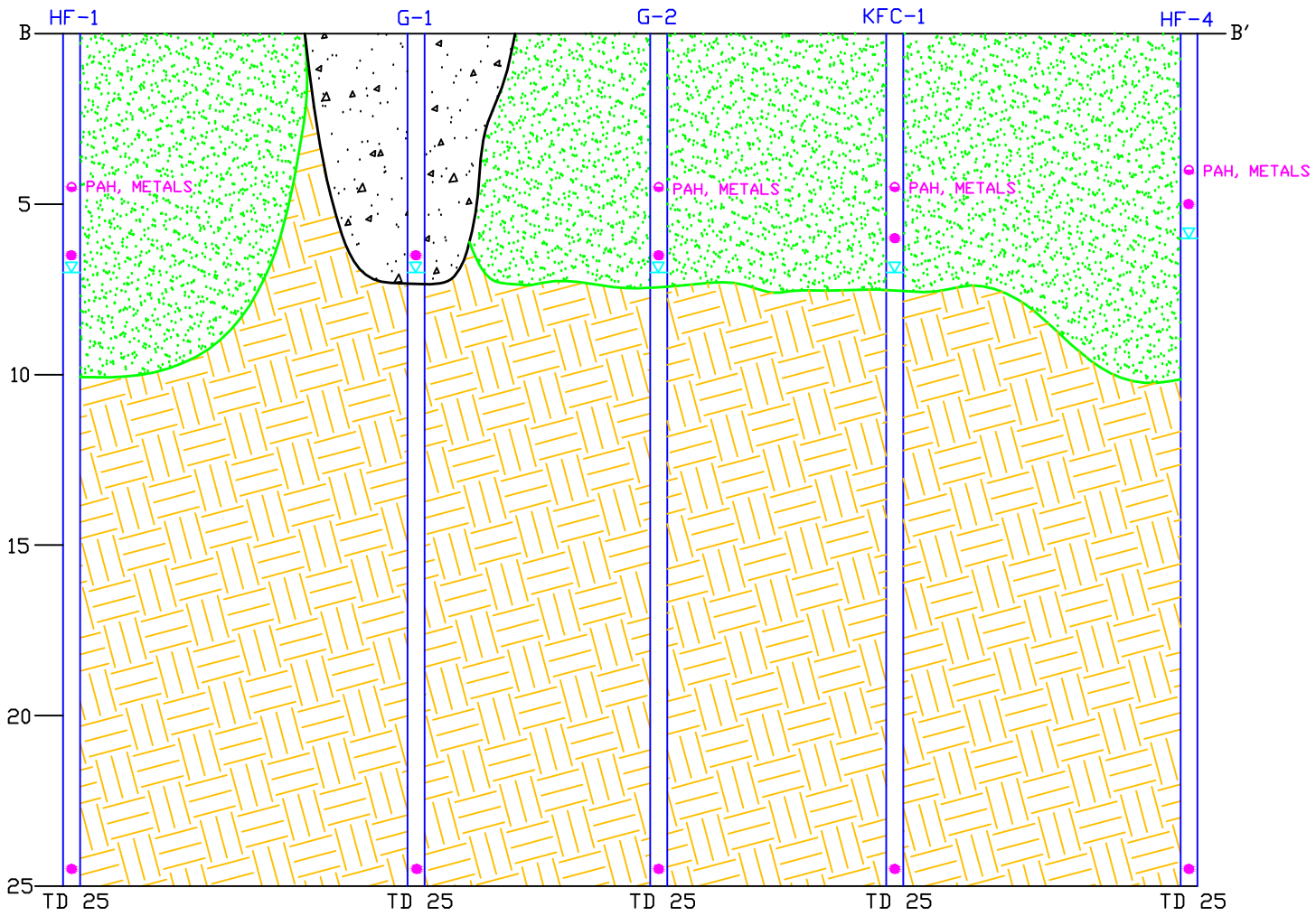
FIGURE 4
GEOLOGICAL CROSS SECTION A - A'
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE:	JOB NO.:	SCALE:
10/28/16	10BR188	AS SHOWN



VERTICAL

0′ 2.5′ 5′

SCALE: 1"=5′

NOTE:
THIS MAP IS REFERENCED FROM THE REMEDIAL INVESTIGATION REPORT, DATED MAY 2013, AND PREPARED BY BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
PAH's = POLYNUCLEAR AROMATIC HYDROCARBONS
VOC = VOLATILE ORGANIC COMPOUNDS

HORIZONTAL

0′ 10′ 20′

SCALE: 1"=20′

LEGEND

- FILL & FINE SAND
- FINE TO MEDIUM SAND SOME CONCRETE
- SAND, SILT AND CLAY
- SOIL SAMPLE WITH CONTAMINANTS OF CONCERN EXCEEDING TRACK 2
- SOIL SAMPLE LOCATION
- GROUNDWATER LEVEL

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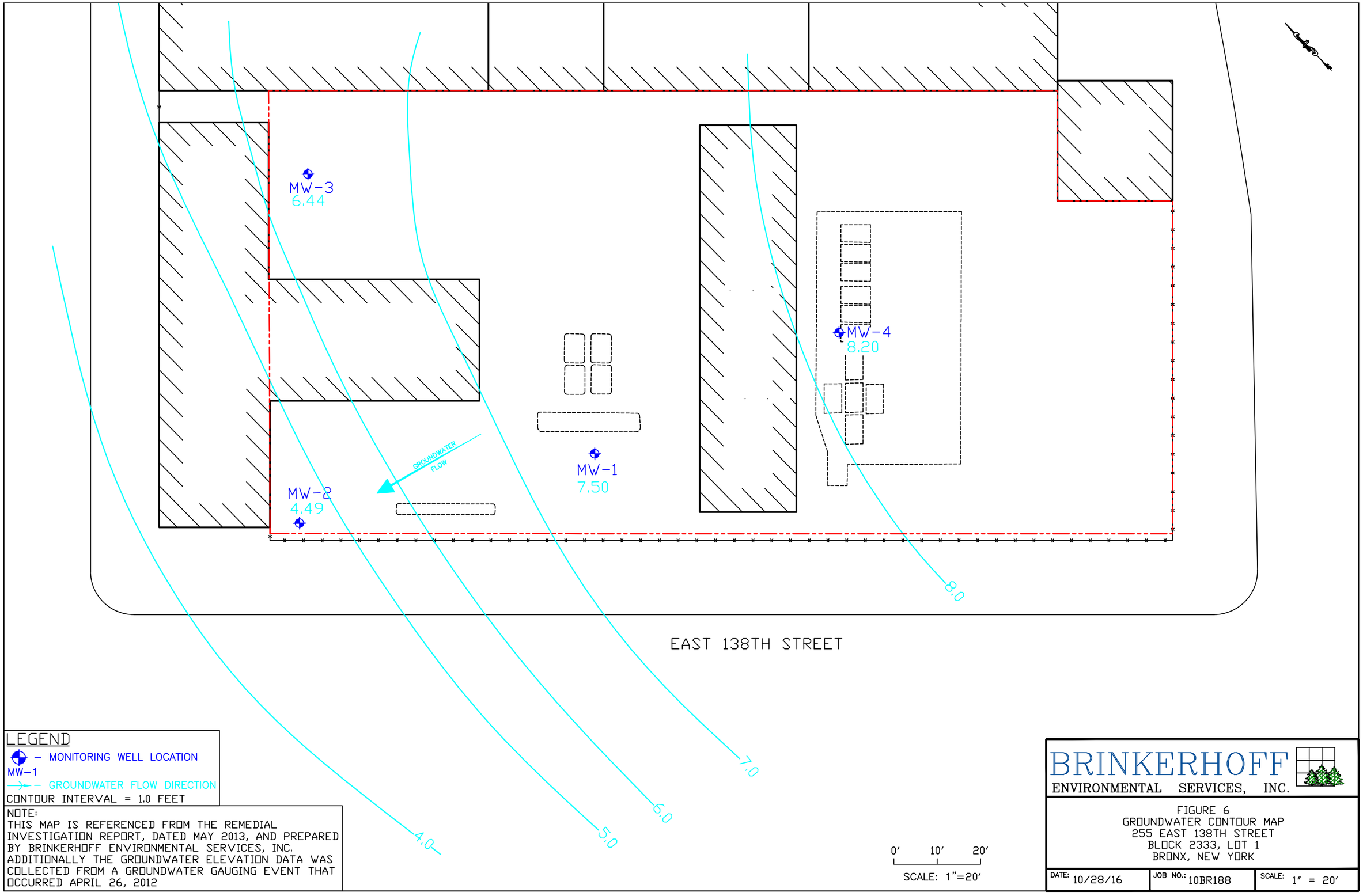
FIGURE 5
GEOLOGICAL CROSS SECTION B - B′
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE:	JOB NO.:	SCALE:
10/28/16	10BR188	AS SHOWN



LEGEND

– MONITORING WELL LOCATION
MW-1

– GROUNDWATER FLOW DIRECTION

CONTOUR INTERVAL = 1.0 FEET

NOTE:
THIS MAP IS REFERENCED FROM THE REMEDIAL INVESTIGATION REPORT, DATED MAY 2013, AND PREPARED BY BRINKERHOFF ENVIRONMENTAL SERVICES, INC. ADDITIONALLY THE GROUNDWATER ELEVATION DATA WAS COLLECTED FROM A GROUNDWATER GAUGING EVENT THAT OCCURRED APRIL 26, 2012

0′ 10′ 20′

SCALE: 1"=20′

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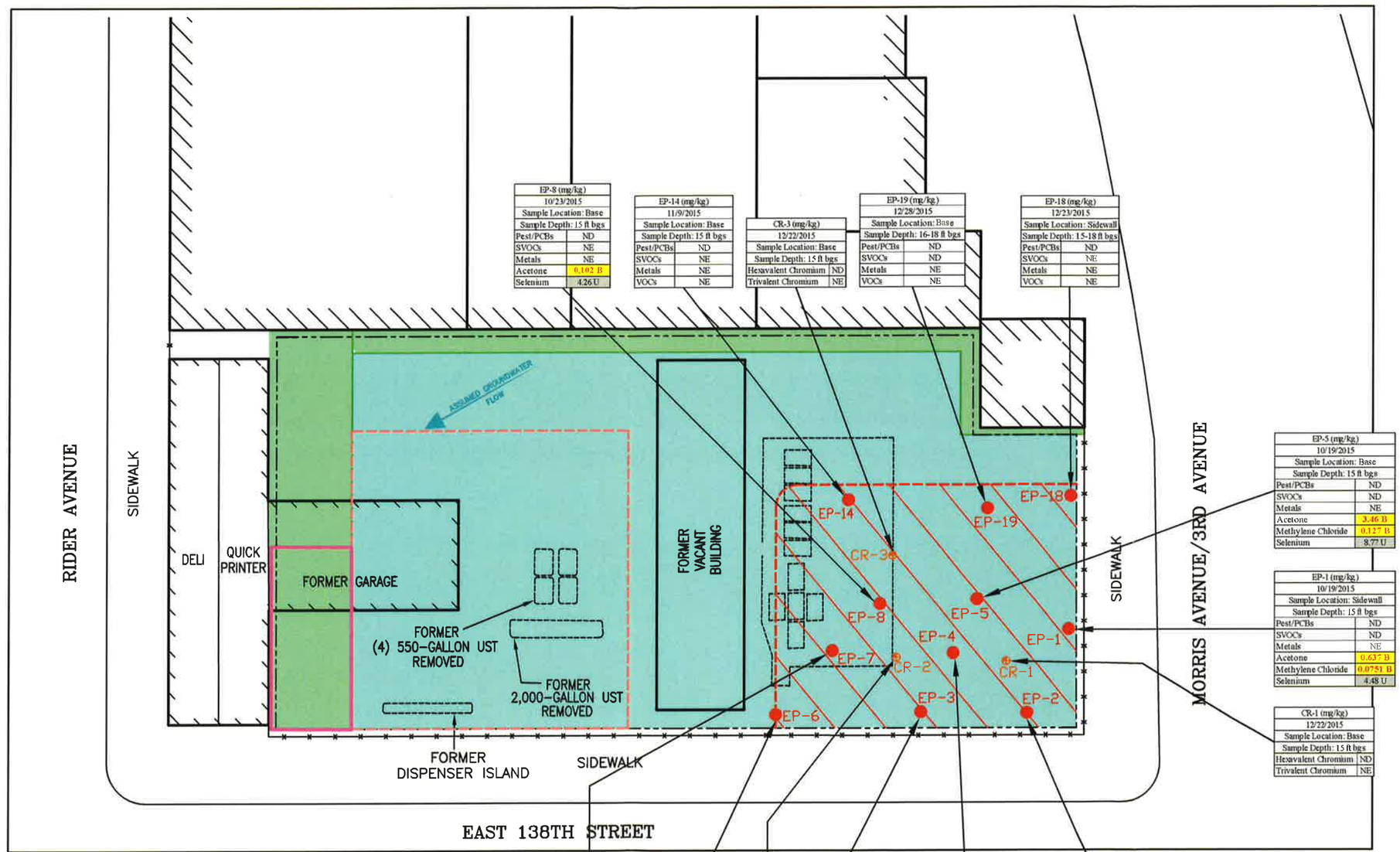
FIGURE 6
GROUNDWATER CONTOUR MAP
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE:	JOB NO.:	SCALE:
10/28/16	10BR188	1′ = 20′



EP-8 (mg/kg)	
10/23/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
Acetone	0.102 B
Selenium	4.26 U

EP-14 (mg/kg)	
11/9/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

CR-3 (mg/kg)	
12/22/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Hexavalent Chromium	ND
Trivalent Chromium	NE

EP-19 (mg/kg)	
12/28/2015	
Sample Location: Base	
Sample Depth: 16-18 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-18 (mg/kg)	
12/23/2015	
Sample Location: Sidewall	
Sample Depth: 15-18 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

EP-5 (mg/kg)	
10/19/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOC's	ND
Metals	NE
Acetone	3.46 B
Methylene Chloride	0.127 B
Selenium	8.77 U

EP-1 (mg/kg)	
10/19/2015	
Sample Location: Sidewall	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
Acetone	0.635 B
Methylene Chloride	0.0751 B
Selenium	4.48 U

CR-1 (mg/kg)	
12/22/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Hexavalent Chromium	ND
Trivalent Chromium	NE

EP-7 (mg/kg)	
10/22/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
Acetone	0.0978 B

EP-6 (mg/kg)	
10/22/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
Acetone	0.108 B
Selenium	4.17 U

EP-3 (mg/kg)	
10/19/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-4 (mg/kg)	
10/19/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-2 (mg/kg)	
10/19/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

CR-2 (mg/kg)	
12/22/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Hexavalent Chromium	ND
Trivalent Chromium	NE

NYSDEC Standard Concentration Limits (mg/kg)		
Compound	NYPGW	NYURU
Acetone	0.05	0.05
Methylene Chloride	0.05	0.05
Selenium	4	3.9

LEGEND

---- – PROPERTY BOUNDARY

CR-1 – CHROMIUM END-POINT SAMPLE LOCATION

– CHEMICAL INJECTION TREATMENT AREA EXTENT

EP-1 – END-POINT SAMPLE LOCATION

– TRACK 1 REMEDIAL AREA

– APPROXIMATE EXTENT OF ORC APPLICATION

– TRACK 2 REMEDIAL AREA

– TRACK 4 REMEDIAL AREA

Notes:

Compounds detected above the NYURU SCOs, and/or the NYPGW Standards are shown

NYURU = New York Unrestricted Use Soil Cleanup Objectives (SCOs) (New York Unrestricted use Criteria current as of 5/2007)

NYPGW = NY Protection of Groundwater Standards (Table 375-6.8(b) Dec. 2006)

RED = Exceeds NYURU SCOs

Highlighted yellow = Exceeds NYPGW Standards

Highlighted gray = Compound was not detected, but the Method Detection Limit (MDL) was above the NYURU SCOs. According to the laboratory, the elevated Selenium MDLs are due to the high moisture content of the sample matricies

ND = Compounds were not detected

NE = Compounds were not detected above the NYURU SCOs or NYPGW Standards

mg/kg = Milligram per kilogram

ft bgs = Feet below grade surface

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

Pest/PCBs = Pesticides/Polychlorinated Biphenyl

B = Indicates compound found in associated blank

U = Indicates compound analyzed for but not detected

0′ 15′ 30′

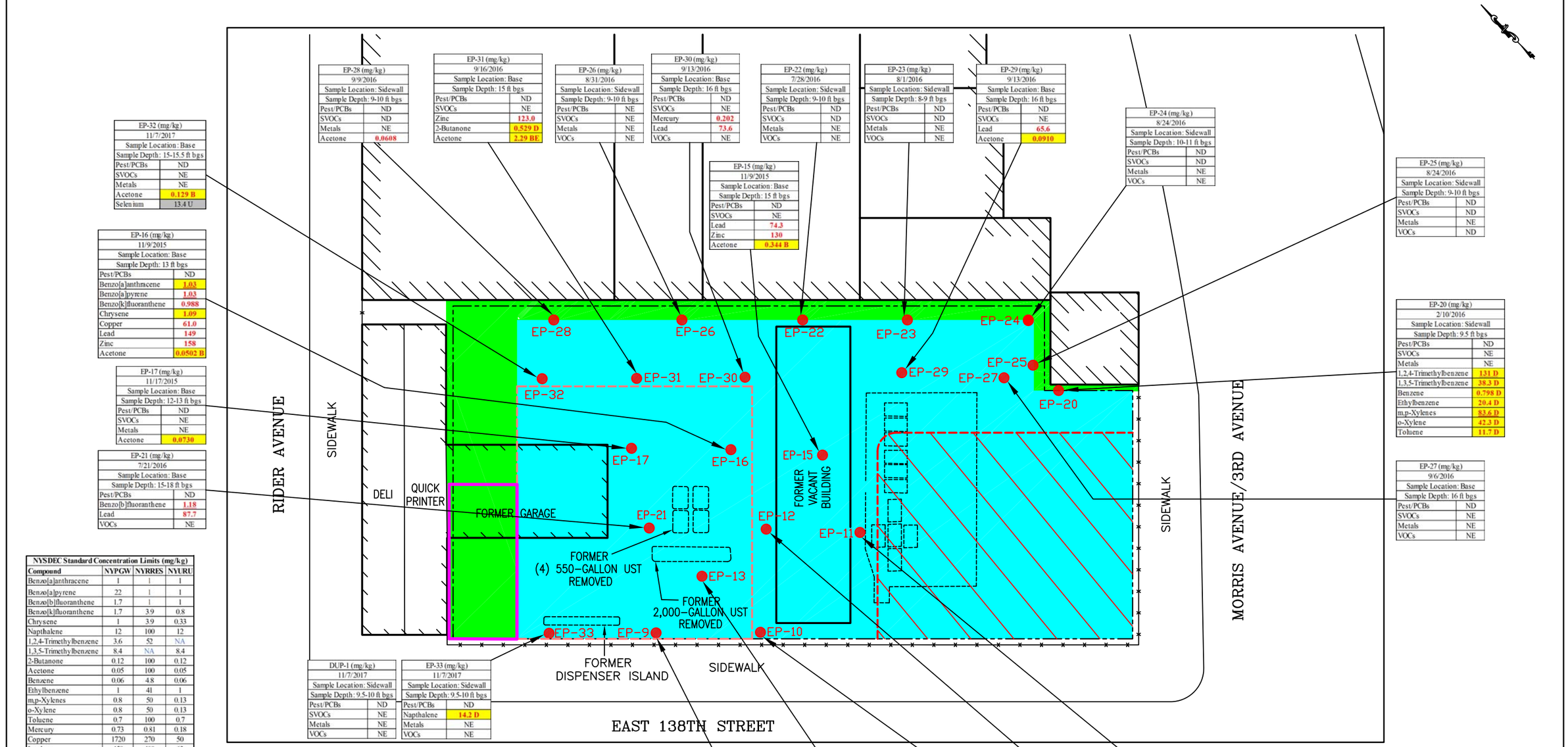
SCALE: 1"=30′

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

FIGURE 7 – TRACK 1 END POINT
SOIL SAMPLE RESULTS MAP
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 12/12/16	JOB NO.: 10BR188	SCALE: 1′ = 30′



EP-28 (mg/kg)	
9/9/2016	
Sample Location: Sidewall	
Sample Depth: 9-10 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
Acetone	0.0608

EP-31 (mg/kg)	
9/16/2016	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Zinc	123.0
2-Butanone	0.529 D
Acetone	2.29 BE

EP-26 (mg/kg)	
8/31/2016	
Sample Location: Sidewall	
Sample Depth: 9-10 ft bgs	
Pest/PCBs	NE
SVOCs	NE
Metals	NE
VOCs	NE

EP-30 (mg/kg)	
9/13/2016	
Sample Location: Base	
Sample Depth: 16 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Mercury	0.202
Lead	73.6
VOCs	NE

EP-22 (mg/kg)	
7/28/2016	
Sample Location: Sidewall	
Sample Depth: 9-10 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-23 (mg/kg)	
8/1/2016	
Sample Location: Sidewall	
Sample Depth: 8-9 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-29 (mg/kg)	
9/13/2016	
Sample Location: Base	
Sample Depth: 16 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Lead	65.6
Acetone	0.0910

EP-24 (mg/kg)	
8/24/2016	
Sample Location: Sidewall	
Sample Depth: 10-11 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-25 (mg/kg)	
8/24/2016	
Sample Location: Sidewall	
Sample Depth: 9-10 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	ND

EP-32 (mg/kg)	
11/7/2017	
Sample Location: Base	
Sample Depth: 15-15.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
Acetone	0.129 B
Selenium	13.4 U

EP-15 (mg/kg)	
11/9/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Lead	74.3
Zinc	130
Acetone	0.344 B

EP-16 (mg/kg)	
11/9/2015	
Sample Location: Base	
Sample Depth: 13 ft bgs	
Pest/PCBs	ND
Benzo[a]anthracene	1.03
Benzo[a]pyrene	1.03
Benzo[k]fluoranthene	0.988
Chrysene	1.09
Copper	61.0
Lead	149
Zinc	158
Acetone	0.0502 B

EP-17 (mg/kg)	
11/17/2015	
Sample Location: Base	
Sample Depth: 12-13 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
Acetone	0.0730

EP-21 (mg/kg)	
7/21/2016	
Sample Location: Base	
Sample Depth: 15-18 ft bgs	
Pest/PCBs	ND
Benzo[b]fluoranthene	1.18
Lead	87.7
VOCs	NE

EP-20 (mg/kg)	
2/10/2016	
Sample Location: Sidewall	
Sample Depth: 9.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
1,2,4-Trimethylbenzene	131 D
1,3,5-Trimethylbenzene	38.3 D
Benzene	0.798 D
Ethylbenzene	20.4 D
m,p-Xylenes	83.6 D
o-Xylene	42.3 D
Toluene	11.7 D

EP-27 (mg/kg)	
9/6/2016	
Sample Location: Base	
Sample Depth: 16 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

NYSDEC Standard Concentration Limits (mg/kg)			
Compound	NYPGW	NYRRES	NYURU
Benzo[a]anthracene	1	1	1
Benzo[a]pyrene	22	1	1
Benzo[b]fluoranthene	1.7	1	1
Benzo[k]fluoranthene	1.7	3.9	0.8
Chrysene	1	3.9	0.33
Napthalene	12	100	12
1,2,4-Trimethylbenzene	3.6	52	NA
1,3,5-Trimethylbenzene	8.4	NA	8.4
2-Butanone	0.12	100	0.12
Acetone	0.05	100	0.05
Benzene	0.06	4.8	0.06
Ethylbenzene	1	41	1
m,p-Xylenes	0.8	50	0.13
o-Xylene	0.8	50	0.13
Toluene	0.7	100	0.7
Mercury	0.73	0.81	0.18
Copper	1720	270	50
Lead	450	400	63
Selenium	4	180	3.9
Zinc	2480	1000	109

DUP-1 (mg/kg)	
11/7/2017	
Sample Location: Sidewall	
Sample Depth: 9.5-10 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

EP-33 (mg/kg)	
11/7/2017	
Sample Location: Sidewall	
Sample Depth: 9.5-10 ft bgs	
Pest/PCBs	ND
Napthalene	14.2 D
Metals	NE
VOCs	NE

EP-9 (mg/kg)	
10/23/2015	
Sample Location: Sidewall	
Sample Depth: 10-12 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

EP-9b (mg/kg)	
11/4/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

EP-13 (mg/kg)	
11/4/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Zinc	166
Acetone	0.0719
Selenium	9.71 U

EP-10 (mg/kg)	
10/26/2015	
Sample Location: Sidewall	
Sample Depth: 10-12 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

EP-12 (mg/kg)	
10/30/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

EP-11 (mg/kg)	
10/28/2015	
Sample Location: Base	
Sample Depth: 15 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Lead	90
VOCs	NE
Selenium	4.00 U

Notes:

Compounds detected above the NYURU SCOs, NYRRES SCOs, and/or the NYPGW Standards are shown

NYURU = New York Unrestricted Use Soil Cleanup Objectives (SCOs) (New York Unrestricted use Criteria current as of 5/2007)

NYRRES = NY Restricted-Resedential Use SCOs (Table 375-6.8(b) Dec. 2006)

NYPGW = NY Protection of Groundwater Standards (Table 375-6.8(b) Dec. 2006)

RED = Exceeds NYURU SCOs

Highlighted yellow = Exceeds NYPGW Standards

Underlined = Exceeds NYRRES SCOs

Highlighted gray = Compound was not detected, but the Method Detection Limit (MDL) was above the NYURU SCOs. According to the laboratory, the elevated Selenium MDLs are due to the high moisture content of the sample matricies

NA = No appicable standard

ND = Compounds were not detected

NE = Compounds were not detected above the NYURU SCOs, NYRRES SCOs or NYPGW Standards

mg/kg = Miligram per kilogram

ft bgs = Feet below grade surface

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

Pest/PCBs = Pesticides/Polychlorinated Biphenyl

B = Indicates compound found in associated blank

E = Concentration exceeds highest calibration standard

D = Indicates result is based on a dilution

U = Indicates compound analyzed for but not detected

LEGEND

---- – PROPERTY BOUNDARY

– CHEMICAL INJECTION TREATMENT AREA EXTENT

– END-POINT SAMPLE LOCATION

EP-16

– TRACK 1 REMEDIAL AREA

– APPROXIMATE EXTENT OF ORC APPLICATION

– TRACK 2 REMEDIAL AREA

– TRACK 4 REMEDIAL AREA

0′ 15′ 30′

SCALE: 1"=30′

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 8 – TRACK 2 END POINT
SOIL SAMPLE RESULTS MAP
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 12/12/16 | JOB NO.: 10BR188 | SCALE: 1" = 30′

EP-39 (mg/kg)	
12/2/2016	
Sample Location: Base	
Sample Depth: 5-5.5 ft bgs	
Pest/PCBs	ND
Benzo[a]anthracene	21.9 E
Benzo[a]pyrene	15.7 D
Benzo[b]fluoranthene	30.9 E
Benzo[k]fluoranthene	8.26 D
Chrysene	18.9 D
Dibenzo[a,h]anthracene	1.36
Dibenzofuran	7.82 D
Indeno(1,2,3-cd)pyrene	4.77 D
Naphthalene	16.6 D
Mercury	0.237
Lead	162
Zinc	131
VOCs	ND

EP-37 (mg/kg)	
12/2/2016	
Sample Location: Base	
Sample Depth: 5-5.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Mercury	0.269
Lead	174
Zinc	127
VOCs	ND

EP-38 (mg/kg)	
12/2/2016	
Sample Location: Base	
Sample Depth: 4-4.5 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
SVOCs	NE

EP-36 (mg/kg)	
12/2/2016	
Sample Location: Base	
Sample Depth: 4-4.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	ND

EP-34 (mg/kg)	
12/2/2016	
Sample Location: Base	
Sample Depth: 3-3.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Mercury	0.215
Zinc	150
VOCs	NE

EP-35 (mg/kg)	
12/2/2016	
Sample Location: Base	
Sample Depth: 3-3.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Lead	134
Zinc	151
SVOCs	NE
VOCs	ND

EP-40 (mg/kg)	
12/2/2016	
Sample Location: Base	
Sample Depth: 6-6.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Lead	63.6
VOCs	NE

DUP-2 (mg/kg)	
12/2/2016	
Sample Location: Base	
Sample Depth: 6-6.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
VOCs	NE

EP-28 (mg/kg)	
9/9/2016	
Sample Location: Sidewall	
Sample Depth: 9-10 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
Acetone	0.0608

EP-26 (mg/kg)	
8/31/2016	
Sample Location: Sidewall	
Sample Depth: 9-10 ft bgs	
Pest/PCBs	NE
SVOCs	NE
Metals	NE
VOCs	NE

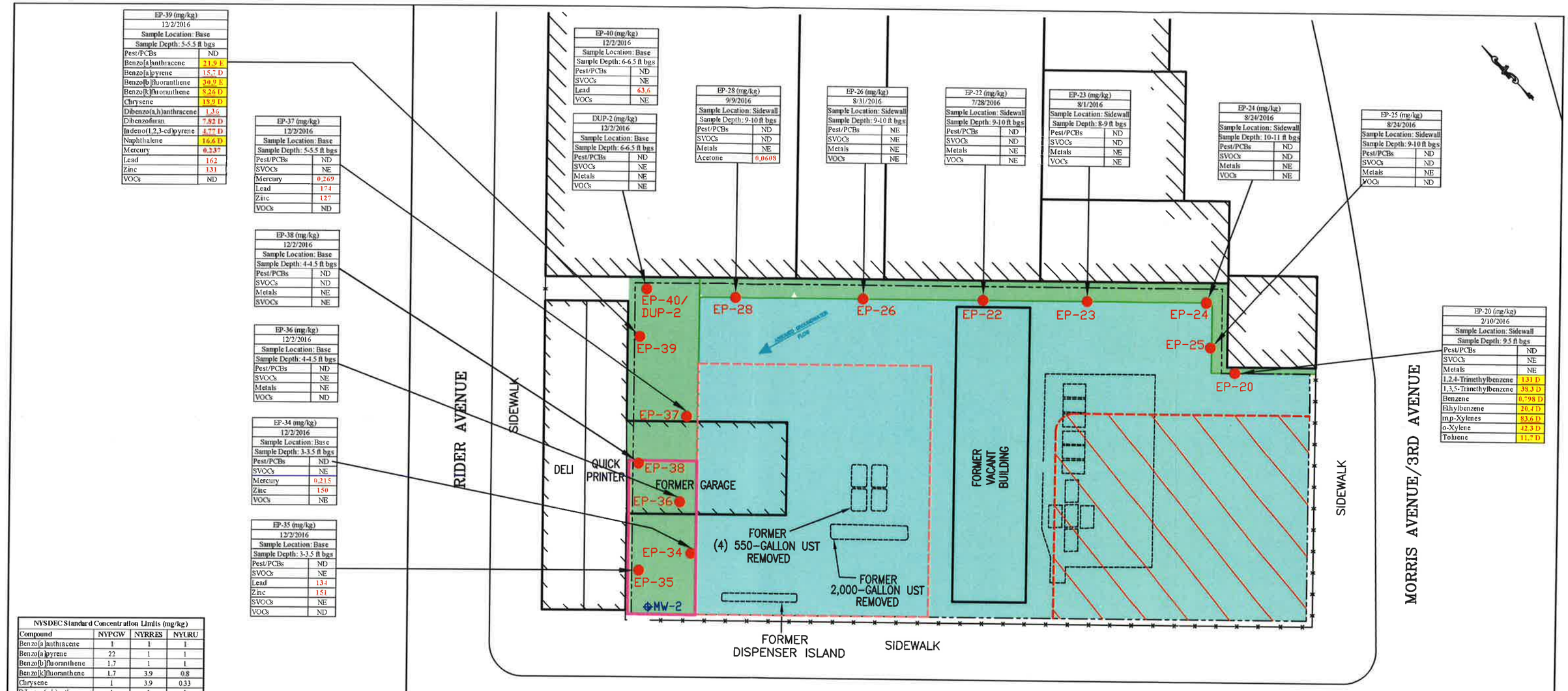
EP-22 (mg/kg)	
7/28/2016	
Sample Location: Sidewall	
Sample Depth: 9-10 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-23 (mg/kg)	
8/1/2016	
Sample Location: Sidewall	
Sample Depth: 8-9 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-24 (mg/kg)	
8/24/2016	
Sample Location: Sidewall	
Sample Depth: 10-11 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	NE

EP-25 (mg/kg)	
8/24/2016	
Sample Location: Sidewall	
Sample Depth: 9-10 ft bgs	
Pest/PCBs	ND
SVOCs	ND
Metals	NE
VOCs	ND

EP-20 (mg/kg)	
2/10/2016	
Sample Location: Sidewall	
Sample Depth: 9.5 ft bgs	
Pest/PCBs	ND
SVOCs	NE
Metals	NE
1,2,4-Trimethylbenzene	131 D
1,3,5-Trimethylbenzene	38.3 D
Benzene	0.798 D
Ethylbenzene	20.4 D
m,p-Xylenes	83.6 D
o-Xylene	42.3 D
Toluene	11.7 D



NYSDEC Standard Concentration Limits (mg/kg)			
Compound	NYPGW	NYRRES	NYURU
Benzo[a]anthracene	1	1	1
Benzo[a]pyrene	22	1	1
Benzo[b]fluoranthene	1.7	1	1
Benzo[k]fluoranthene	1.7	3.9	0.8
Chrysene	1	3.9	0.33
Dibenzo(a,h)anthracene	1	1	1
Dibenzofuran	22	1	1
Indeno(1,2,3-cd)pyrene	1.7	3.9	0.8
Napthalene	12	100	12
1,2,4-Trimethylbenzene	3.6	52	NA
1,3,5-Trimethylbenzene	8.4	NA	8.4
Acetone	0.05	100	0.05
Benzene	0.06	4.8	0.06
Ethylbenzene	1	41	1
m,p-Xylenes	0.8	50	0.13
o-Xylene	0.8	50	0.13
Toluene	0.7	100	0.7
Mercury	0.73	0.81	0.18
Lead	450	400	63
Zinc	2480	1000	109

LEGEND

---- – PROPERTY BOUNDARY

– CHEMICAL INJECTION TREATMENT AREA EXTENT

– END-POINT SAMPLE LOCATION

EP-1

– TRACK 1 REMEDIAL AREA

– APPROXIMATE EXTENT OF DRC APPLICATION

– TRACK 2 REMEDIAL AREA

– TRACK 4 REMEDIAL AREA

Notes:

Compounds detected above the NYURU SCOs, NYRRES SCOs, and/or the NYPGW Standards are shown.

NYURU = New York Unrestricted Use Soil Cleanup Objectives (SCOs) (New York Unrestricted use Criteria current as of 5/2007)

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RED = Exceeds NYURU SCOs

Highlighted yellow = Exceeds NYPGW Standards

Underlined = Exceeds NYRRES SCOs

NA = No appicable standard

ND = Compounds were not detected

NE = Compounds were not detected above the NYURU SCOs, NYRRES SCOs or NYPGW Standards

mg/kg = Miligram per kilogram

ft bgs = Feet below grade surface

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

Pest/PCBs = Pesticides/Polychlorinated Biphenyl

E = Concentration exceeds highest calibration standard

D = Indicates result is based on a dilution

0′ 15′ 30′

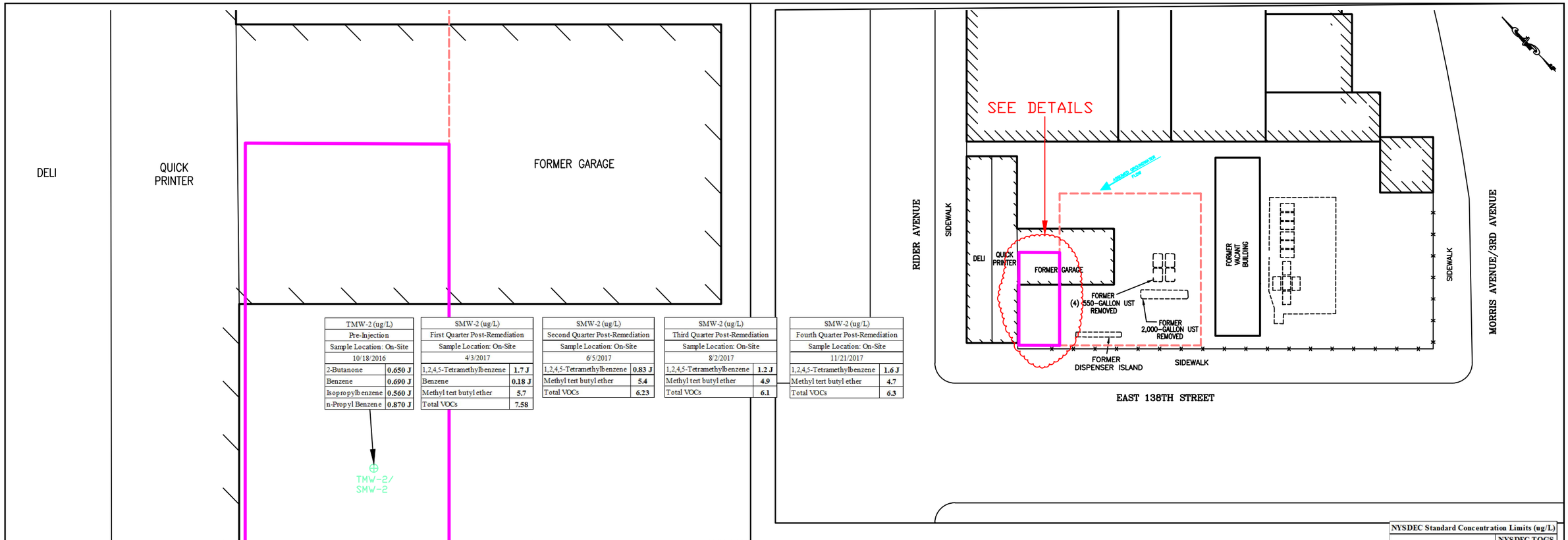
SCALE: 1"=30′

BRINKERHOFF

ENVIRONMENTAL SERVICES, INC.

FIGURE 9 - TRACK 4 END POINT
SOIL SAMPLE RESULTS MAP
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 12/12/16	JOB NO.: 10BR188	SCALE: 1′ = 30′



TMW-2 (ug/L)	
Pre-Injection	
Sample Location: On-Site	
10/18/2016	
2-Butanone	**0.650 J**
Benzene	**0.690 J**
Isopropylbenzene	**0.560 J**
n-Propyl Benzene	**0.870 J**

SMW-2 (ug/L)	
First Quarter Post-Remediation	
Sample Location: On-Site	
4/3/2017	
1,2,4,5-Tetramethylbenzene	**1.7 J**
Benzene	**0.18 J**
Methyl tert butyl ether	**5.7**
Total VOCs	**7.58**

SMW-2 (ug/L)	
Second Quarter Post-Remediation	
Sample Location: On-Site	
6/5/2017	
1,2,4,5-Tetramethylbenzene	**0.83 J**
Methyl tert butyl ether	**5.4**
Total VOCs	**6.23**

SMW-2 (ug/L)	
Third Quarter Post-Remediation	
Sample Location: On-Site	
8/2/2017	
1,2,4,5-Tetramethylbenzene	**1.2 J**
Methyl tert butyl ether	**4.9**
Total VOCs	**6.1**

SMW-2 (ug/L)	
Fourth Quarter Post-Remediation	
Sample Location: On-Site	
11/21/2017	
1,2,4,5-Tetramethylbenzene	**1.6 J**
Methyl tert butyl ether	**4.7**
Total VOCs	**6.3**

SMW-1 (ug/L)	
Pre-Injection	
Sample Location: Off-Site	
10/18/2016	
Ethylbenzene	**0.500 J**
Isopropylbenzene	**2.98**
m,p-Xylenes	**1.03 J**
n-Butyl Benzene	**0.990 J**
n-Propyl Benzene	**5.57**
sec-Butylbenzene	**0.680 J**

SMW-1 (ug/L)	
Post-Injection	
Sample Location: Off-Site	
11/2/2016	
Isopropylbenzene	**1.66**
n-Propyl Benzene	**1.76**
sec-Butylbenzene	**0.600 J**

SMW-1 (ug/L)	
First Quarter Post-Remediation	
Sample Location: Off-Site	
4/3/2017	
1,2,4,5-Tetramethylbenzene	**32**
1,2,4-Trimethylbenzene	**2.2 J**
Benzene	**1.2**
Ethylbenzene	**12**
Isopropylbenzene	**93**
n-Butylbenzene	**2.4 J**
n-Propylbenzene	**78**
Naphthalene	**4.1 J**
p-Diethylbenzene	**8.4**
sec-Butylbenzene	**10**
Tetrachloroethene	**0.71 J**
Total VOCs	**244.01**

SMW-1 (ug/L)	
Second Quarter Post-Remediation	
Sample Location: Off-Site	
6/5/2017	
1,2,4,5-Tetramethylbenzene	**31**
Acrylonitrile	**10**
Benzene	**1.1**
Ethylbenzene	**6.7**
Isopropylbenzene	**94**
Naphthalene	**26**
p-Ethyltoluene	**8.3**
sec-Butylbenzene	**11**
Total VOCs	**188.1**

SMW-1 (ug/L)	
Third Quarter Post-Remediation	
Sample Location: Off-Site	
8/2/2017	
1,2,4,5-Tetramethylbenzene	**27**
Acrylonitrile	**ND**
Benzene	**0.5**
Ethylbenzene	**ND**
Isopropylbenzene	**40**
Naphthalene	**ND**
p-Ethyltoluene	**ND**
sec-Butylbenzene	**7.1**
Total VOCs	**83.87**

SMW-1 (ug/L)	
Fourth Quarter Post-Remediation	
Sample Location: Off-Site	
11/21/2017	
1,2,4,5-Tetramethylbenzene	**2.3**
Benzene	**1.2**
Isopropylbenzene	**25**
p-Diethylbenzene	**3.8**
sec-Butylbenzene	**3.5**
Total VOCs	**35.8**

TMW-1 (ug/L)	
Pre-Construction	
Sample Location: Off-Site	
8/20/2015	
2-Methylnaphthylene	**62.0 D**
bis(2-ethylhexyl)phthalate	**0.629 JB**
Naphthalene	**117 D**
Phenanthrene	**0.572 J**
1,2,4-Trimethylbenzene	**3280 DE**
1,3,5-Trimethylbenzene	**998 D**
Acetone	**59.8 D**
Ethylbenzene	**1200 D**
Isopropylbenzene	**296 D**
m,p-Xylenes	**3650 D**
Methylene Chloride	**29.2 BD**
n-Butyl Benzene	**259 D**
n-Propyl Benzene	**845 D**
o-Xylene	**1200 D**
p-Isopropyltoluene	**41.2 D**
sec-Butylbenzene	**88.8 D**
Toluene	**24.2 D**

NYSDEC Standard Concentration Limits (ug/L)	
Compound	**NYSDEC TOGS AWQSGV**
2-Methylnaphthylene	NA
bis(2-ethylhexyl)phthalate	5
Naphthalene	10
Phenanthrene	50
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
2-Butanone	50
Acrylonitrile	5
Acetone	50
Benzene	1
Ethylbenzene	5
Isopropylbenzene	5
m,p-Xylenes	NA
Methyl tert butyl ether	10
Methylene Chloride	5
n-Butyl Benzene	5
n-Propyl Benzene	5
Naphthalene	10
o-Xylene	NA
p-Diethylbenzene	NA
p-Ethyltoluene	NA
p-Isopropyltoluene	NA
sec-Butylbenzene	5
Tetrachloroethene	5
Toluene	5
Total VOCs	NA

LEGEND

- – CHEMICAL INJECTION TREATMENT AREA EXTENT
- ---- – PROPERTY BOUNDARY
- – APPROXIMATE EXTENT OF ORC APPLICATION
- – PERMANENT OFF-SITE MONITORING WELL LOCATION SMW-1
- – TEMPORARY OFF-SITE MONITORING WELL LOCATION TMW-1
- – TEMPORARY AND PERMANENT ON-SITE MONITORING WELL LOCATION SMW-2

Notes:

Detected compounds are shown

NYSDEC TOGS A WQSGV = New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance Series 1.1.1 Ambient Groundwater Quality Guidance Values Table 1, 1998. Reflects all addendum to criteria through June 2004

Red = Exceeds NYSDEC TOGS A WQSGV

NA = No appicable standard

ug/L = Microgram per liter

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

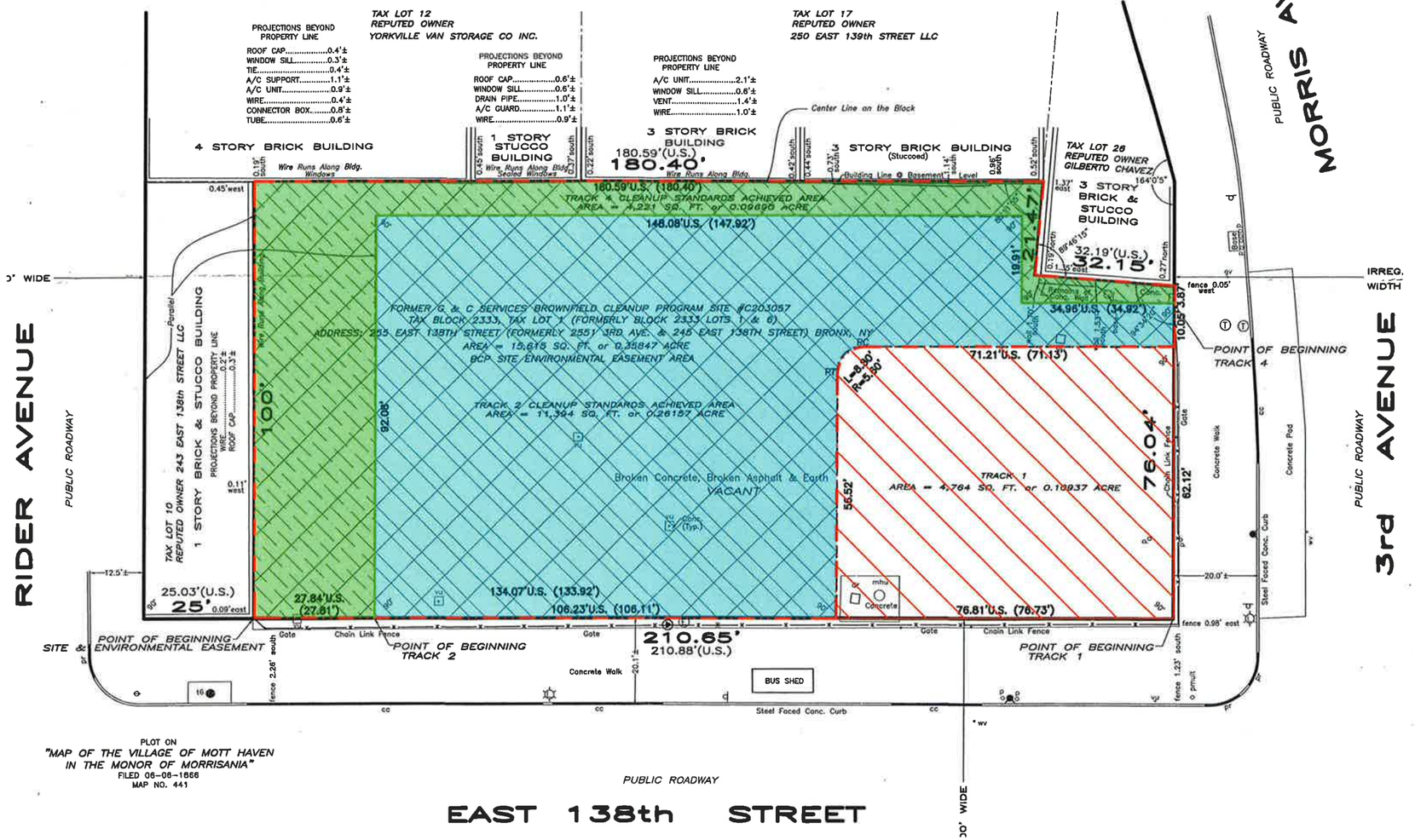
D - Indicates result is based on a dilution

J - Indicates estimated value for TICs and all results when detected below the RL

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 1
GROUNDWATER SAMPLE RESULTS MAP
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 12/11/17	JOB NO.: 10BR188	SCALE: AS SHOWN



LEGEND

- ENVIRONMENTAL EASEMENT AND INSTITUTIONAL CONTROLS BOUNDARY
- TRACK 4 CLEANUP STANDARDS ACHIEVED AREA BOUNDARY
- TRACK 2 CLEANUP STANDARDS ACHIEVED AREA BOUNDARY
- **TRACK 1 CLEANUP STANDARDS ACHIEVED AREA BOUNDARY**

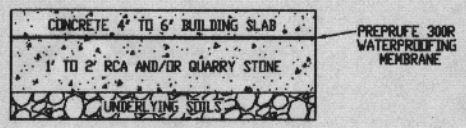
0′ 15′ 30′

SCALE: 1"=30′

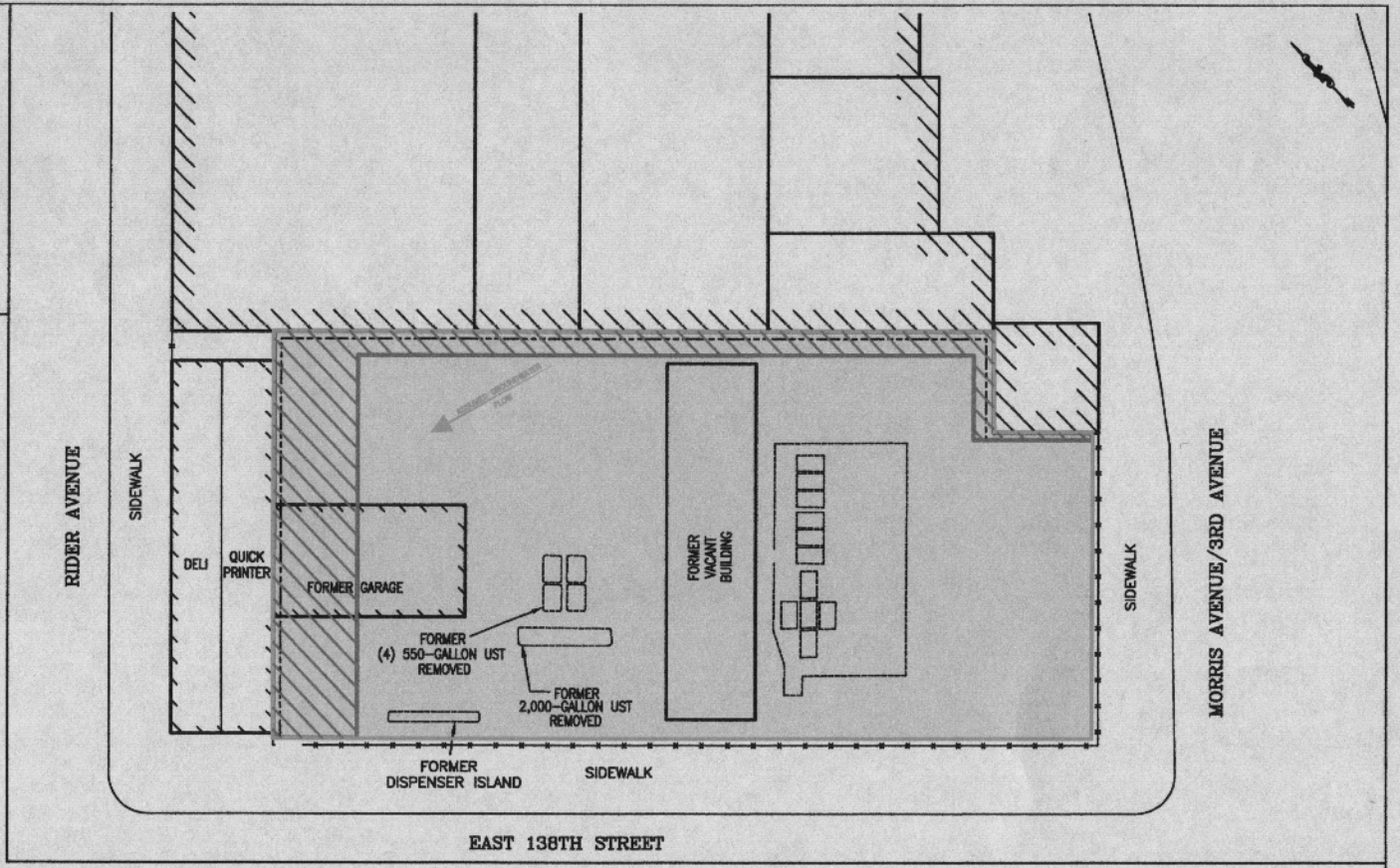
BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 11 - INSTITUTIONAL CONTROLS BOUNDARY MAP
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 12/13/16	JOB NO.: 10BR188	SCALE: 1′ = 30′



TRACK 4 REMEDIAL AREA COMPOSITE COVER DETAIL
NTS



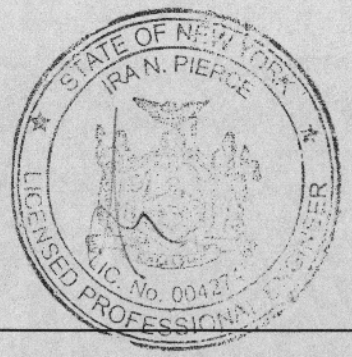
LEGEND

---- - PROPERTY BOUNDARY

▒ - SITE-WIDE PREPRUFE 300R WATERPROOFING/ VAPOR BARRIER SYSTEM INSTALLATION AREA

▨ - TRACK 4 REMEDIAL AREA COMPOSITE COVER INSTALLATION AREA

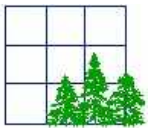
0' 15' 30'
SCALE: 1"=30'



BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 12 - COMPOSITE COVER AND VAPOR BARRIER SYSTEM LOCATION MAP AND CROSS-SECTION DETAIL
255 EAST 138TH STREET
BLOCK 2333, LOT 1
BRONX, NEW YORK

DATE: 12/20/16	JOB NO.: 10BR188	SCALE: 1" = 30'



Tables

Table 1
Endpoint Sample Collection Summary
255 East 138th Street, Bronx, New York
Brinkerhoff Project No: 10BR188

Sample Name	Date Collected	Sample Location	Sample Depth (feet bgs)	Chemical Analysis
EP-1	10/19/15	Sidewall	15	TAL-TCL
EP-2	10/19/15	Base	15	TAL-TCL
EP-3	10/19/15	Base	15	TAL-TCL
EP-4	10/19/15	Base	15	TAL-TCL
EP-5	10/19/15	Base	15	TAL-TCL
EP-6	10/22/15	Base	15	TAL-TCL
EP-7	10/22/15	Base	15	TAL-TCL
EP-8	10/23/15	Base	15	TAL-TCL
EP-9	10/23/15	Sidewall	10-12	TAL-TCL
EP-9b	11/04/15	Base	15	TAL-TCL
EP-10	10/26/15	Sidewall	10-12	TAL-TCL
EP-11	10/28/15	Base	15	TAL-TCL
EP-12	10/30/15	Base	15	TAL-TCL
EP-13	11/04/15	Base	15	TAL-TCL
EP-14	11/09/15	Base	15	TAL-TCL
EP-15	11/09/15	Base	15	TAL-TCL
EP-16	11/09/15	Base	13	TAL-TCL
EP-17	11/17/15	Base	12-13	TAL-TCL
Cr-1	12/22/15	Base	15	Hex Chrom, Tri Chrom
Cr-2	12/22/15	Base	15	Hex Chrom, Tri Chrom
Cr-3	12/22/15	Base	15	Hex Chrom, Tri Chrom
EP-18	12/23/15	Sidewall	15-18	TAL-TCL, Hex Chrom, Tri Chrom
EP-19	12/28/15	Base	16-18	TAL-TCL, Hex Chrom, Tri Chrom
EP-20	02/10/16	Sidewall	9.5	TAL-TCL, Hex Chrom, Tri Chrom
EP-21	07/21/16	Base	15-18	TAL-TCL, Hex Chrom, Tri Chrom
EP-22	07/28/16	Sidewall	9-10	TAL-TCL, Hex Chrom, Tri Chrom
EP-23	08/01/16	Sidewall	8-9	TAL-TCL, Hex Chrom, Tri Chrom
EP-24	08/24/16	Sidewall	10-11	TAL-TCL, Hex Chrom, Tri Chrom
EP-25	08/24/16	Sidewall	9-10	TAL-TCL, Hex Chrom, Tri Chrom
EP-26	08/31/16	Sidewall	9-10	TAL-TCL, Hex Chrom, Tri Chrom
EP-27	09/06/16	Base	16	TAL-TCL, Hex Chrom, Tri Chrom
EP-28	09/09/16	Sidewall	9-10	TAL-TCL, Hex Chrom, Tri Chrom
EP-29	09/13/16	Base	16	TAL-TCL, Hex Chrom, Tri Chrom
EP-30	09/13/16	Base	16	TAL-TCL, Hex Chrom, Tri Chrom
EP-31	09/16/16	Base	15	TAL-TCL, Hex Chrom, Tri Chrom
EP-32	11/07/16	Base	15-15.5	TAL-TCL, Hex Chrom, Tri Chrom
EP-33	11/07/16	Sidewall	9.5-10	TAL-TCL, Hex Chrom, Tri Chrom
DUP-1	11/07/16	Sidewall (EP-33)	9.5-10	TAL-TCL, Hex Chrom, Tri Chrom
EP-34	12/02/16	Base	3-3.5	TAL-TCL, Hex Chrom, Tri Chrom
EP-35	12/02/16	Base	3-3.5	TAL-TCL, Hex Chrom, Tri Chrom
EP-36	12/02/16	Base	4-4.5	TAL-TCL, Hex Chrom, Tri Chrom
EP-37	12/02/16	Base	5-5.5	TAL-TCL, Hex Chrom, Tri Chrom
EP-38	12/02/16	Base	4-4.5	TAL-TCL, Hex Chrom, Tri Chrom
EP-39	12/02/16	Base	5-5.5	TAL-TCL, Hex Chrom, Tri Chrom
EP-40	12/02/16	Base	6-6.5	TAL-TCL, Hex Chrom, Tri Chrom
DUP-2	12/02/16	Base (EP-40)	6-6.5	TAL-TCL, Hex Chrom, Tri Chrom

Notes:

1) feet bgs = Feet below grade surface
2) TAL-TCL = Target Analyte List-Target Compound List. The TAL-TCL parameters consist of:
volatile organic compounds, semi-volatile organic compounds, metals, pesticides, and polychlorinated biphenyls
3) Hex Chrom = Hexavalent Chromium
4) Tri Chrom = Trivalent Chromium
5) Base = Sample collected at the base of excavation
6) Sidewall = Sample collected along the sidewall of excavation

Table 2
Endpoint Sample Results Summary
October 19, 2015 (EP-1 - EP-5)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501878					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501878-01**		**1501878-02**		**1501878-03**		**1501878-04**		**1501878-05**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-1**		**EP-2**		**EP-3**		**EP-4**		**EP-5**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**	
Pesticides & PCBs - EPA Method SW846 8081/8082 (mg/kg)														
72-54-8	4,4'-DDD	14	13	0.0033	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
309-00-2	Aldrin	0.19	0.097	0.005	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0372	U	0.0268	U	0.0210	U	0.0224	U	0.0728	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
319-86-8	delta-BHC	0.25	100	0.04	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
959-98-8	Endosulfan I	102	24	2.4	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
33213-65-9	Endosulfan II	102	24	2.4	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
72-20-8	Endrin	0.06	11	0.014	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00298	U	0.00215	U	0.00168	U	0.00179	U	0.00583	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00148	U	0.00106	U	0.000833	U	0.000889	U	0.00289	U
72-43-5	Methoxychlor	NA	NA	NA	0.0149	U	0.0107	U	0.00841	U	0.00898	U	0.0292	U
8001-35-2	Toxaphene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
Semivolatile Organic Compounds - EPA Method SW846 8270 (mg/kg)														
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U

Table 2
Endpoint Sample Results Summary
October 19, 2015 (EP-1 - EP-5)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501878					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1501878-01		1501878-02		1501878-03		1501878-04		1501878-05	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					EP-1		EP-2		EP-3		EP-4		EP-5	
Sample Depth (feet below grade surface):					15		15		15		15		15	
CAS#	Compound	NYPGW	NYRRES	NYURU	10/19/15		10/19/15		10/19/15		10/19/15		10/19/15	
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.186	U	0.134	U	0.105	U	0.112	U	0.364	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
83-32-9	Acenaphthene	98	100	20	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
208-96-8	Acenaphthylene	107	100	100	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
120-12-7	Anthracene	1000	100	100	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
65-85-0	Benzoic acid	NA	NA	NA	0.186	U	0.134	U	0.105	U	0.112	U	0.364	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U

Table 2
Endpoint Sample Results Summary
October 19, 2015 (EP-1 - EP-5)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501878					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501878-01**		**1501878-02**		**1501878-03**		**1501878-04**		**1501878-05**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-1**		**EP-2**		**EP-3**		**EP-4**		**EP-5**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**	
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0747	U	**0.0651**	J	**0.0539**	J	0.0449	U	0.146	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
218-01-9	Chrysene	1	3.9	1	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
132-64-9	Dibenzofuran	210	59	7	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
206-44-0	Fluoranthene	1000	100	100	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
86-73-7	Fluorene	386	100	30	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
78-59-1	Isophorone	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
91-20-3	Naphthalene	12	100	12	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
85-01-8	Phenanthrene	1000	100	100	0.0747	U	0.0537	U	**0.0421**	J	0.0449	U	0.146	U
108-95-2	Phenol	0.33	100	0.33	0.0747	U	0.0537	U	0.0420	U	0.0449	U	0.146	U
129-00-0	Pyrene	1000	100	100	0.0747	U	0.0537	U	**0.0606**	J	0.0449	U	0.146	U
Total Metals - EPA Method SW846 6010 (mg/kg)														
7439-97-6	Mercury	0.73	0.81	0.18	0.168	U	0.121	U	0.0947	U	0.101	U	0.329	U
7429-90-5	Aluminum	NA	NA	NA	**7420**		**12200**		**8550**		**7630**		**4070**	
7440-36-0	Antimony	NA	NA	NA	8.97	U	6.45	U	5.05	U	5.39	U	17.5	U
7440-38-2	Arsenic	16	16	13	**2.58**		**3.14**		1.26	U	**2.25**		4.39	U
7440-39-3	Barium	820	400	350	**57.1**		**61.6**		**40.7**		27.0	U	**94.3**	
7440-41-7	Beryllium	47	72	7.2	1.12	U	0.806	U	0.631	U	0.674	U	2.19	U
7440-43-9	Cadmium	7.5	4.3	2.5	1.12	U	**0.958**		0.631	U	0.674	U	2.19	U
7440-70-2	Calcium	NA	NA	NA	**11300**		**24400**		**1660**		**2000**		**28800**	
7440-47-3	Chromium	NA	NA	NA	**15.6**		**20.9**		**12.4**		**11.8**		**11.9**	

Table 2
Endpoint Sample Results Summary
October 19, 2015 (EP-1 - EP-5)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501878					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501878-01**		**1501878-02**		**1501878-03**		**1501878-04**		**1501878-05**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-1**		**EP-2**		**EP-3**		**EP-4**		**EP-5**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**	
7440-48-4	Cobalt	NA	NA	NA	11.2	U	**11.1**		**7.57**		**7.33**		21.9	U
7440-50-8	Copper	1720	270	50	**16.2**		**19.5**		**16.8**		**19.8**		**31.5**	
7439-89-6	Iron	NA	NA	NA	**13300**		**21500**		**11500**		**11500**		**7500**	
7439-92-1	Lead	450	400	63	**12.3**		**17.1**		**8.40**		**8.19**		**19.7**	
7439-95-4	Magnesium	NA	NA	NA	**6000**		**15700**		**4080**		**3910**		**10300**	
7439-96-5	Manganese	2000	2000	1600	**373**		**835**		**96.3**		**101**		**421**	
7440-02-0	Nickel	130	310	30	**12.9**		**17.6**		**14.6**		**15.6**		17.5	U
9/7/7440	Potassium	NA	NA	NA	**1410**		**2220**		**1120**		**975**		**966**	
7782-49-2	Selenium	4	180	3.9	4.48	U	3.23	U	2.53	U	2.70	U	8.77	U
7440-22-4	Silver	8.3	180	2	1.12	U	0.806	U	0.631	U	0.674	U	2.19	U
7440-23-5	Sodium	NA	NA	NA	**594**		**343**		**173**		**203**		**720**	
7440-28-0	Thallium	NA	NA	NA	3.36	U	2.42	U	1.89	U	2.02	U	6.58	U
7440-62-2	Vanadium	NA	NA	NA	**25.1**		**32.8**		**12.8**		**12.8**		21.9	U
7440-66-6	Zinc	2480	10000	109	**44.8**		**65.7**		**46.2**		**53.4**		26.3	U
Volatile Organic Compounds - EPA Method SW846 8260 (mg/kg)														
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U

Table 2
Endpoint Sample Results Summary
October 19, 2015 (EP-1 - EP-5)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501878					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501878-01**		**1501878-02**		**1501878-03**		**1501878-04**		**1501878-05**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-1**		**EP-2**		**EP-3**		**EP-4**		**EP-5**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**	
78-93-3	2-Butanone	0.12	100	0.12	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
591-78-6	2-Hexanone	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
67-64-1	Acetone	0.05	100	0.05	**0.637**	B	**0.0173**	B	**0.0144**	B	**0.0102**	B	**3.46**	B
107-02-8	Acrolein	NA	NA	NA	0.0378	U	0.0220	U	0.0173	U	0.0179	U	0.115	U
107-13-1	Acrylonitrile	NA	NA	NA	0.0126	U	0.00733	U	0.00577	U	0.00596	U	0.0385	U
71-43-2	Benzene	0.06	4.8	0.06	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
108-86-1	Bromobenzene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
75-25-2	Bromoform	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
74-83-9	Bromomethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00630	U	0.00367	U	**0.0474**		0.00298	U	0.0192	U
75-00-3	Chloroethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
67-66-3	Chloroform	0.37	49	0.37	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
74-87-3	Chloromethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
74-95-3	Dibromomethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
100-41-4	Ethylbenzene	1	41	1	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
108-38-3/106-42-3	m,p-Xylenes	0.8	50	0.13	0.0126	U	0.00733	U	0.00577	U	0.00596	U	0.0385	U
75-09-2	Methylene Chloride	0.05	100	0.05	**0.0751**	B	**0.0249**	B	**0.0242**	B	**0.0256**	B	**0.127**	B
104-51-8	n-Butyl Benzene	NA	NA	12	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
95-47-6	o-Xylene	0.8	50	0.13	0.0126	U	0.00733	U	0.00577	U	0.00596	U	0.0385	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
135-98-8	sec-Butylbenzene	11	100	11	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U

Table 2
Endpoint Sample Results Summary
October 19, 2015 (EP-1 - EP-5)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501878					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501878-01**		**1501878-02**		**1501878-03**		**1501878-04**		**1501878-05**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-1**		**EP-2**		**EP-3**		**EP-4**		**EP-5**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**		**10/19/15**	
100-42-5	Styrene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
108-88-3	Toluene	0.7	100	0.7	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00630	U	0.00367	U	0.00288	U	0.00298	U	0.0192	U
Wet Chemistry (%)														
	Percent Solids	NA	NA	NA	**44.6**		**62.0**		**79.2**		**74.2**		**22.8**	
Wet Chemistry (mg/kg)														
	Cyanide (total)	40	27	27	2.24	U	1.61	U	1.26	U	1.35	U	4.39	U

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted yellow = exceeds NYPGW
Highlighted gray = Compound was not detected, but the Method Detection Limit (MDL) was above the NYURU SCOs. According to the laboratory, the elevated Selenium MDLs are due to the high moisture content of the sample matricies
Underlined = exceeds NYRRES
~ = compound was not analyzed
NA = no appicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 3
Endpoint Sample Results Summary
October 22 and 23, 2015 (EP-6, EP-7, and EP-8)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501909					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501909-01**		**1501909-02**		**1501909-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-6**		**EP-7**		**EP-8**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/22/15**		**10/22/15**		**10/23/15**	
Pesticides & PCBs - EPA Method SW846 8081/8082 (mg/kg)										
72-54-8	4,4'-DDD	14	13	0.0033	0.00277	U	0.00190	U	0.00283	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00277	U	0.00190	U	0.00283	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00277	U	0.00190	U	0.00283	U
309-00-2	Aldrin	0.19	0.097	0.005	0.00138	U	0.000943	U	0.00140	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00138	U	0.000943	U	0.00140	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00138	U	0.000943	U	0.00140	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0346	U	0.0237	U	0.0353	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0346	U	0.0237	U	0.0353	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0346	U	0.0237	U	0.0353	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0346	U	0.0237	U	0.0353	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0346	U	0.0237	U	0.0353	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0346	U	0.0237	U	0.0353	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0346	U	0.0237	U	0.0353	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0346	U	0.0237	U	0.0353	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0346	U	0.0237	U	0.0353	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.00138	U	0.000943	U	0.00140	U
319-86-8	delta-BHC	0.25	100	0.04	0.00138	U	0.000943	U	0.00140	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00277	U	0.00190	U	0.00283	U
959-98-8	Endosulfan I	102	24	2.4	0.00138	U	0.000943	U	0.00140	U
33213-65-9	Endosulfan II	102	24	2.4	0.00277	U	0.00190	U	0.00283	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00277	U	0.00190	U	0.00283	U
72-20-8	Endrin	0.06	11	0.014	0.00277	U	0.00190	U	0.00283	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00277	U	0.00190	U	0.00283	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00277	U	0.00190	U	0.00283	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00138	U	0.000943	U	0.00140	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00138	U	0.000943	U	0.00140	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.00138	U	0.000943	U	0.00140	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00138	U	0.000943	U	0.00140	U
72-43-5	Methoxychlor	NA	NA	NA	0.0139	U	0.00951	U	0.0142	U
8001-35-2	Toxaphene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)										
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0694	U	0.0476	U	0.0709	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0694	U	0.0476	U	0.0709	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0694	U	0.0476	U	0.0709	U

Table 3
Endpoint Sample Results Summary
October 22 and 23, 2015 (EP-6, EP-7, and EP-8)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501909					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501909-01**		**1501909-02**		**1501909-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-6**		**EP-7**		**EP-8**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/22/15**		**10/22/15**		**10/23/15**	
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0694	U	0.0476	U	0.0709	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0694	U	0.0476	U	0.0709	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.173	U	0.119	U	0.177	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
83-32-9	Acenaphthene	98	100	20	0.0694	U	0.0476	U	0.0709	U
208-96-8	Acenaphthylene	107	100	100	0.0694	U	0.0476	U	0.0709	U
120-12-7	Anthracene	1000	100	100	0.0694	U	0.0476	U	0.0709	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0694	U	**0.0610**	J	**0.0759**	J
50-32-8	Benzo[a]pyrene	22	1	1	0.0694	U	**0.0590**	J	0.0709	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0694	U	0.0476	U	0.0709	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0694	U	0.0476	U	0.0709	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0694	U	0.0476	U	0.0709	U
65-85-0	Benzoic acid	NA	NA	NA	0.173	U	0.119	U	0.177	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U

Table 3
Endpoint Sample Results Summary
October 22 and 23, 2015 (EP-6, EP-7, and EP-8)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501909					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501909-01**		**1501909-02**		**1501909-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-6**		**EP-7**		**EP-8**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/22/15**		**10/22/15**		**10/23/15**	
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
218-01-9	Chrysene	1	3.9	1	0.0694	U	**0.0729**	J	**0.0929**	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0694	U	0.0476	U	0.0709	U
132-64-9	Dibenzofuran	210	59	7	0.0694	U	0.0476	U	0.0709	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
206-44-0	Fluoranthene	1000	100	100	0.0694	U	**0.153**	J	**0.190**	J
86-73-7	Fluorene	386	100	30	0.0694	U	0.0476	U	0.0709	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0694	U	0.0476	U	0.0709	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0694	U	0.0476	U	0.0709	U
78-59-1	Isophorone	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
91-20-3	Naphthalene	12	100	12	**0.159**	J	**0.0729**	J	**0.0766**	J
98-95-3	Nitrobenzene	NA	NA	NA	0.0694	U	0.0476	U	0.0709	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0694	U	0.0476	U	0.0709	U
85-01-8	Phenanthrene	1000	100	100	**0.0896**	J	**0.153**	J	**0.187**	J
108-95-2	Phenol	0.33	100	0.33	0.0694	U	0.0476	U	0.0709	U
129-00-0	Pyrene	1000	100	100	0.0694	U	**0.145**	J	**0.199**	J
Total Metals by EPA Method SW846 6010 (mg/kg)										
7439-97-6	Mercury	0.73	0.81	0.18	0.156	U	0.107	U	0.160	U
7429-90-5	Aluminum	NA	NA	NA	**8930**		**6100**		**11800**	
7440-36-0	Antimony	NA	NA	NA	8.33	U	5.71	U	8.51	U
7440-38-2	Arsenic	16	16	13	**2.34**		**2.01**		**3.29**	
7440-39-3	Barium	820	400	350	**96.6**		**40.0**		**68.6**	
7440-41-7	Beryllium	47	72	7.2	1.04	U	0.714	U	1.06	U
7440-43-9	Cadmium	7.5	4.3	2.5	1.04	U	0.714	U	1.06	U
7440-70-2	Calcium	NA	NA	NA	**8470**		**8140**		**9090**	
7440-47-3	Chromium	NA	NA	NA	**17.0**		**10.1**		**19.4**	

Table 3
Endpoint Sample Results Summary
October 22 and 23, 2015 (EP-6, EP-7, and EP-8)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501909					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501909-01**		**1501909-02**		**1501909-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-6**		**EP-7**		**EP-8**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/22/15**		**10/22/15**		**10/23/15**	
7440-48-4	Cobalt	NA	NA	NA	10.4	U	7.14	U	10.6	
7440-50-8	Copper	1720	270	50	**48.8**		**13.6**		**25.5**	
7439-89-6	Iron	NA	NA	NA	**11200**		**9210**		**17700**	
7439-92-1	Lead	450	400	63	**12.5**		**11.8**		**25.5**	
7439-95-4	Magnesium	NA	NA	NA	**6300**		**4200**		**8200**	
7439-96-5	Manganese	2000	2000	1600	**169**		**111**		**247**	
7440-02-0	Nickel	130	310	30	**15.9**		**12.9**		**20.7**	
9/7/7440	Potassium	NA	NA	NA	**1140**		**856**		**1630**	
7782-49-2	Selenium	4	180	3.9	4.17	U	2.86	U	4.26	U
7440-22-4	Silver	8.3	180	2	1.04	U	0.714	U	1.06	U
7440-23-5	Sodium	NA	NA	NA	**1030**		**401**		**717**	
7440-28-0	Thallium	NA	NA	NA	3.12	U	2.14	U	3.19	U
7440-62-2	Vanadium	NA	NA	NA	**21.5**		**12.3**		**23.9**	
7440-66-6	Zinc	2480	10000	109	**59.6**		**45.7**		**89.0**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)										
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00279	U	0.00130	U	0.00426	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00279	U	0.00130	U	0.00426	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00279	U	0.00130	U	0.00426	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00279	U	0.00130	U	0.00426	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00279	U	0.00130	U	0.00426	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00279	U	0.00130	U	0.00426	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00279	U	0.00130	U	0.00426	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00279	U	0.00130	U	0.00426	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00279	U	0.00130	U	0.00426	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U

Table 3
Endpoint Sample Results Summary
October 22 and 23, 2015 (EP-6, EP-7, and EP-8)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501909					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501909-01**		**1501909-02**		**1501909-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-6**		**EP-7**		**EP-8**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/22/15**		**10/22/15**		**10/23/15**	
78-93-3	2-Butanone	0.12	100	0.12	**0.0225**		**0.0161**		0.00426	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
591-78-6	2-Hexanone	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
67-64-1	Acetone	0.05	100	0.05	**0.108**	B	**0.0978**	B	**0.102**	B
107-02-8	Acrolein	NA	NA	NA	0.0167	U	0.00779	U	0.0255	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00557	U	0.00260	U	0.00851	U
71-43-2	Benzene	0.06	4.8	0.06	0.00279	U	0.00130	U	0.00426	U
108-86-1	Bromobenzene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
75-25-2	Bromoform	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
74-83-9	Bromomethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00279	U	**0.00199**	J	0.00426	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00279	U	0.00130	U	0.00426	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00279	U	0.00130	U	0.00426	U
75-00-3	Chloroethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
67-66-3	Chloroform	0.37	49	0.37	0.00279	U	0.00130	U	0.00426	U
74-87-3	Chloromethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00279	U	0.00130	U	0.00426	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
74-95-3	Dibromomethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
100-41-4	Ethylbenzene	1	41	1	0.00279	U	0.00130	U	**0.00757**	J
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
108-38-3/106-42-3	m,p-Xylenes	0.8	50	0.13	0.00557	U	0.00260	U	0.00851	U
75-09-2	Methylene Chloride	0.05	100	0.05	**0.0260**	B	**0.00688**	B	**0.0206**	
104-51-8	n-Butyl Benzene	NA	NA	12	0.00279	U	0.00130	U	0.00426	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
95-47-6	o-Xylene	0.8	50	0.13	0.00557	U	0.00260	U	0.00851	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
135-98-8	sec-Butylbenzene	11	100	11	0.00279	U	0.00130	U	0.00426	U

Table 3
Endpoint Sample Results Summary
October 22 and 23, 2015 (EP-6, EP-7, and EP-8)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501909					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1501909-01**		**1501909-02**		**1501909-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-6**		**EP-7**		**EP-8**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/22/15**		**10/22/15**		**10/23/15**	
100-42-5	Styrene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00279	U	0.00130	U	0.00426	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00279	U	0.00130	U	0.00426	U
108-88-3	Toluene	0.7	100	0.7	0.00279	U	0.00130	U	0.00426	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00279	U	0.00130	U	0.00426	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00279	U	0.00130	U	0.00426	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00279	U	0.00130	U	0.00426	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00279	U	0.00130	U	0.00426	U
Wet Chemistry (%)										
	Percent Solids	NA	NA	NA	**48.0**		**70.0**		**47.0**	
Wet Chemistry (mg/kg)										
	Cyanide (total)	40	27	27	2.08	U	1.43	U	2.13	U

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted yellow = exceeds NYPGW
Highlighted gray = Compound was not detected, but the Method Detection Limit (MDL) was above the NYURU SCOs. According to the laboratory, the elevated Selenium MDLs are due to the high moisture content of the sample matricies
Underlined = exceeds NYRRES
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 4
Endpoint Sample Results Summary
October 23, 2015 (EP-9)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501914					Result	Q
Lab: Accredited Analytical Resources LLC					**1501914-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-9**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/23/15**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00194	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00194	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00194	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000962	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000962	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000962	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0242	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0242	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0242	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0242	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0242	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0242	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0242	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0242	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0242	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000962	U
319-86-8	delta-BHC	0.25	100	0.04	0.000962	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00194	U
959-98-8	Endosulfan I	102	24	2.4	0.000962	U
33213-65-9	Endosulfan II	102	24	2.4	0.00194	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00194	U
72-20-8	Endrin	0.06	11	0.014	0.00194	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00194	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00194	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000962	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000962	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000962	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000962	U
72-43-5	Methoxychlor	NA	NA	NA	0.00971	U
8001-35-2	Toxaphene	NA	NA	NA	0.0485	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0485	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0485	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0485	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0485	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0485	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0485	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0485	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0485	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0485	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0485	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0485	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0485	U

Table 4
Endpoint Sample Results Summary
October 23, 2015 (EP-9)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501914					Result	Q
Lab: Accredited Analytical Resources LLC					**1501914-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-9**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/23/15**	
95-57-8	2-Chlorophenol	NA	NA	NA	0.0485	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0485	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0485	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0485	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0485	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0485	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.121	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0485	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0485	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0485	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0485	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0485	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0485	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0485	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0485	U
83-32-9	Acenaphthene	98	100	20	0.0485	U
208-96-8	Acenaphthylene	107	100	100	0.0485	U
120-12-7	Anthracene	1000	100	100	0.0485	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0485	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0485	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0485	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0485	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0485	U
65-85-0	Benzoic acid	NA	NA	NA	0.121	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0485	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0485	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0485	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0485	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0485	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0485	U
218-01-9	Chrysene	1	3.9	1	0.0485	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0485	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0485	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0485	U
132-64-9	Dibenzofuran	210	59	7	0.0485	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0485	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0485	U
206-44-0	Fluoranthene	1000	100	100	**0.0860**	J
86-73-7	Fluorene	386	100	30	0.0485	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0485	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0485	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0485	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0485	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0485	U

Table 4
Endpoint Sample Results Summary
October 23, 2015 (EP-9)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501914					Result	Q
Lab: Accredited Analytical Resources LLC					**1501914-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-9**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/23/15**	
78-59-1	Isophorone	NA	NA	NA	0.0485	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0485	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0485	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0485	U
91-20-3	Naphthalene	12	100	12	0.0485	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0485	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0485	U
85-01-8	Phenanthrene	1000	100	100	**0.0724**	J
108-95-2	Phenol	0.33	100	0.33	0.0485	U
129-00-0	Pyrene	1000	100	100	**0.0855**	J
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	**0.170**	
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**9500**	
7440-36-0	Antimony	NA	NA	NA	5.83	U
7440-38-2	Arsenic	16	16	13	**2.35**	
7440-39-3	Barium	820	400	350	**57.9**	
7440-41-7	Beryllium	47	72	7.2	0.729	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.729	U
7440-70-2	Calcium	NA	NA	NA	**8950**	
7440-47-3	Chromium	NA	NA	NA	**16.2**	
7440-48-4	Cobalt	NA	NA	NA	**7.86**	
7440-50-8	Copper	1720	270	50	**17.3**	
7439-89-6	Iron	NA	NA	NA	**15100**	
7439-92-1	Lead	450	400	63	**23.1**	
7439-95-4	Magnesium	NA	NA	NA	**7920**	
7439-96-5	Manganese	2000	2000	1600	**278**	
7440-02-0	Nickel	130	310	30	**14.7**	
9/7/7440	Potassium	NA	NA	NA	**1210**	
7782-49-2	Selenium	4	180	3.9	2.92	U
7440-22-4	Silver	8.3	180	2	0.729	U
7440-23-5	Sodium	NA	NA	NA	**237**	
7440-28-0	Thallium	NA	NA	NA	2.19	U
7440-62-2	Vanadium	NA	NA	NA	**21.2**	
7440-66-6	Zinc	2480	10000	109	**52.4**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00163	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00163	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00163	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00163	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00163	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00163	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00163	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00163	U

Table 4
Endpoint Sample Results Summary
October 23, 2015 (EP-9)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501914					Result	Q
Lab: Accredited Analytical Resources LLC					**1501914-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-9**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/23/15**	
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00163	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00163	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00163	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00163	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00163	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00163	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00163	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00163	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00163	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00163	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00163	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00163	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00163	U
78-93-3	2-Butanone	0.12	100	0.12	0.00163	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00163	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00163	U
591-78-6	2-Hexanone	NA	NA	NA	0.00163	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00163	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00163	U
67-64-1	Acetone	0.05	100	0.05	**0.00558**	B
107-02-8	Acrolein	NA	NA	NA	0.00976	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00325	U
71-43-2	Benzene	0.06	4.8	0.06	0.00163	U
108-86-1	Bromobenzene	NA	NA	NA	0.00163	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00163	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00163	U
75-25-2	Bromoform	NA	NA	NA	0.00163	U
74-83-9	Bromomethane	NA	NA	NA	0.00163	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00163	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00163	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00163	U
75-00-3	Chloroethane	NA	NA	NA	0.00163	U
67-66-3	Chloroform	0.37	49	0.37	0.00163	U
74-87-3	Chloromethane	NA	NA	NA	0.00163	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00163	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00163	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00163	U
74-95-3	Dibromomethane	NA	NA	NA	0.00163	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00163	U
100-41-4	Ethylbenzene	1	41	1	0.00163	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00163	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00163	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	0.00325	U
75-09-2	Methylene Chloride	0.05	100	0.05	**0.0134**	B

Table 4
Endpoint Sample Results Summary
October 23, 2015 (EP-9)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501914					Result	Q
Lab: Accredited Analytical Resources LLC					**1501914-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-9**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/23/15**	
104-51-8	n-Butyl Benzene	NA	NA	12	0.00163	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00163	U
95-47-6	o-Xylene	0.8	50	0.13	0.00325	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00163	U
135-98-8	sec-Butylbenzene	11	100	11	0.00163	U
100-42-5	Styrene	NA	NA	NA	0.00163	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00163	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00163	U
108-88-3	Toluene	0.7	100	0.7	0.00163	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00163	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00163	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00163	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00163	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00163	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00163	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**68.6**	
Wet Chemistry (mg/kg)						
	Cyanide (total)	40	27	27	1.46	U

Notes:

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)

NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)

No compounds were detected at concentrations exceeding the NYURU, NYRRES, or NYPGW

~ = compound was not analyzed

NA = no applicable standard

Bold = detected compounds

mg/kg = miligram per kilogram

Qualifiers:

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected

Table 5
Endpoint Sample Results Summary
October 26, 2015 (EP-10)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501923					Result	Q
Lab: Accredited Analytical Resources LLC					**1501923-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-10**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/26/15**	
Pesticides & PCBs - EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00198	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00198	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00198	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000981	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000981	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000981	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0247	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0247	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0247	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0247	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0247	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0247	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0247	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0247	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0247	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000981	U
319-86-8	delta-BHC	0.25	100	0.04	0.000981	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00198	U
959-98-8	Endosulfan I	102	24	2.4	0.000981	U
33213-65-9	Endosulfan II	102	24	2.4	0.00198	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00198	U
72-20-8	Endrin	0.06	11	0.014	0.00198	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00198	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00198	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000981	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000981	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000981	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000981	U
72-43-5	Methoxychlor	NA	NA	NA	0.0099	U
8001-35-2	Toxaphene	NA	NA	NA	0.0495	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0495	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0495	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0495	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0495	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0495	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0495	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0495	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0495	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0495	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0495	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0495	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0495	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0495	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0495	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0495	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0495	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0495	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0495	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.123	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0495	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0495	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0495	U

Table 5
Endpoint Sample Results Summary
October 26, 2015 (EP-10)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501923					Result	Q
Lab: Accredited Analytical Resources LLC					**1501923-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-10**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/26/15**	
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0495	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0495	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0495	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0495	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0495	U
83-32-9	Acenaphthene	98	100	20	0.0495	U
208-96-8	Acenaphthylene	107	100	100	0.0495	U
120-12-7	Anthracene	1000	100	100	0.0495	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0495	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0495	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0495	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0495	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0495	U
65-85-0	Benzoic acid	NA	NA	NA	0.123	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0495	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0495	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0495	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0495	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0495	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0495	U
218-01-9	Chrysene	1	3.9	1	**0.0500**	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0495	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0495	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0495	U
132-64-9	Dibenzofuran	210	59	7	0.0495	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0495	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0495	U
206-44-0	Fluoranthene	1000	100	100	**0.0991**	J
86-73-7	Fluorene	386	100	30	0.0495	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0495	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0495	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0495	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0495	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0495	U
78-59-1	Isophorone	NA	NA	NA	0.0495	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0495	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0495	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0495	U
91-20-3	Naphthalene	12	100	12	0.0495	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0495	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0495	U
85-01-8	Phenanthrene	1000	100	100	**0.133**	J
108-95-2	Phenol	0.33	100	0.33	0.0495	U
129-00-0	Pyrene	1000	100	100	**0.139**	J
Total Metals by EPA Method SW846 6010 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.111	U
7429-90-5	Aluminum	NA	NA	NA	**8980**	
7440-36-0	Antimony	NA	NA	NA	5.94	U
7440-38-2	Arsenic	16	16	13	**2.67**	
7440-39-3	Barium	820	400	350	**51.8**	
7440-41-7	Beryllium	47	72	7.2	0.743	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.743	U
7440-70-2	Calcium	NA	NA	NA	**7450**	
7440-47-3	Chromium	NA	NA	NA	**14.7**	

Table 5
Endpoint Sample Results Summary
October 26, 2015 (EP-10)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501923					Result	Q
Lab: Accredited Analytical Resources LLC					**1501923-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-10**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/26/15**	
7440-48-4	Cobalt	NA	NA	NA	**7.93**	
7440-50-8	Copper	1720	270	50	**21.9**	
7439-89-6	Iron	NA	NA	NA	**13900**	
7439-92-1	Lead	450	400	63	**22.0**	
7439-95-4	Magnesium	NA	NA	NA	**7100**	
7439-96-5	Manganese	2000	2000	1600	**350**	
7440-02-0	Nickel	130	310	30	**15.5**	
9/7/7440	Potassium	NA	NA	NA	**1150**	
7782-49-2	Selenium	4	180	3.9	2.97	U
7440-22-4	Silver	8.3	180	2	0.743	U
7440-23-5	Sodium	NA	NA	NA	**289**	
7440-28-0	Thallium	NA	NA	NA	2.23	U
7440-62-2	Vanadium	NA	NA	NA	**19.2**	
7440-66-6	Zinc	2480	10000	109	**51.0**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00153	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00153	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00153	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00153	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00153	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00153	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00153	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00153	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00153	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00153	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00153	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00153	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00153	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00153	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00153	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00153	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00153	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00153	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00153	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00153	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00153	U
78-93-3	2-Butanone	0.12	100	0.12	0.00153	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00153	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00153	U
591-78-6	2-Hexanone	NA	NA	NA	0.00153	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00153	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00153	U
67-64-1	Acetone	0.05	100	0.05	**0.0183**	B
107-02-8	Acrolein	NA	NA	NA	0.00917	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00306	U
71-43-2	Benzene	0.06	4.8	0.06	0.00153	U
108-86-1	Bromobenzene	NA	NA	NA	0.00153	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00153	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00153	U
75-25-2	Bromoform	NA	NA	NA	0.00153	U
74-83-9	Bromomethane	NA	NA	NA	0.00153	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00153	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00153	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00153	U

Table 5
Endpoint Sample Results Summary
October 26, 2015 (EP-10)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501923					Result	Q
Lab: Accredited Analytical Resources LLC					**1501923-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-10**	
Sample Depth (feet below grade surface):					**10-12**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/26/15**	
75-00-3	Chloroethane	NA	NA	NA	0.00153	U
67-66-3	Chloroform	0.37	49	0.37	0.00153	U
74-87-3	Chloromethane	NA	NA	NA	0.00153	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00153	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00153	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00153	U
74-95-3	Dibromomethane	NA	NA	NA	0.00153	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00153	U
100-41-4	Ethylbenzene	1	41	1	0.00153	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00153	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00153	U
108-38-3/106-42-3	m,p-Xylenes	0.8	50	0.13	0.00306	U
75-09-2	Methylene Chloride	0.05	100	0.05	**0.00292**	J
104-51-8	n-Butyl Benzene	NA	NA	12	0.00153	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00153	U
95-47-6	o-Xylene	0.8	50	0.13	0.00306	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00153	U
135-98-8	sec-Butylbenzene	11	100	11	0.00153	U
100-42-5	Styrene	NA	NA	NA	0.00153	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00153	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00153	U
108-88-3	Toluene	0.7	100	0.7	0.00153	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00153	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00153	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00153	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00153	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00153	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00153	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**67.3**	
Wet Chemistry (mg/kg)						
	Cyanide (total)	40	27	27	1.49	U

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
No compounds were detected at concentrations exceeding the NYURU, NYRRES, or NYPGW
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 6
Endpoint Sample Results Summary
October 28, 2015 (EP-11)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501955					Result	Q
Lab: Accredited Analytical Resources LLC					**1501955-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-11**	
Sample Detph (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/28/15**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00266	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00266	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00266	U
309-00-2	Aldrin	0.19	0.097	0.005	0.00132	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00132	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00132	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0332	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0332	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0332	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0332	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0332	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0332	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0332	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0332	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0332	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.00132	U
319-86-8	delta-BHC	0.25	100	0.04	0.00132	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00266	U
959-98-8	Endosulfan I	102	24	2.4	0.00132	U
33213-65-9	Endosulfan II	102	24	2.4	0.00266	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00266	U
72-20-8	Endrin	0.06	11	0.014	0.00266	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00266	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00266	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00132	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00132	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.00132	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00132	U
72-43-5	Methoxychlor	NA	NA	NA	0.0133	U
8001-35-2	Toxaphene	NA	NA	NA	0.0666	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0666	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0666	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0666	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0666	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0666	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0666	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0666	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0666	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0666	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0666	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0666	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0666	U

Table 6
Endpoint Sample Results Summary
October 28, 2015 (EP-11)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501955					Result	Q
Lab: Accredited Analytical Resources LLC					**1501955-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-11**	
Sample Detpth (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/28/15**	
95-57-8	2-Chlorophenol	NA	NA	NA	0.0666	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	**0.0727**	J
95-48-7	2-Methylphenol	0.33	100	0.33	0.0666	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0666	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0666	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0666	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.166	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0666	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0666	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0666	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0666	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0666	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0666	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0666	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0666	U
83-32-9	Acenaphthene	98	100	20	**0.141**	J
208-96-8	Acenaphthylene	107	100	100	0.0666	U
120-12-7	Anthracene	1000	100	100	**0.0720**	J
56-55-3	Benzo[a]anthracene	1	1	1	**0.0853**	J
50-32-8	Benzo[a]pyrene	22	1	1	0.0666	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0666	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0666	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0666	U
65-85-0	Benzoic acid	NA	NA	NA	0.166	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0666	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0666	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0666	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0666	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0666	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0666	U
218-01-9	Chrysene	1	3.9	1	**0.103**	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0666	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0666	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0666	U
132-64-9	Dibenzofuran	210	59	7	**0.0867**	J
84-66-2	Diethyl phthalate	NA	NA	NA	0.0666	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0666	U
206-44-0	Fluoranthene	1000	100	100	**0.167**	J
86-73-7	Fluorene	386	100	30	**0.109**	J
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0666	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0666	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0666	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0666	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0666	U

Table 6
Endpoint Sample Results Summary
October 28, 2015 (EP-11)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501955					Result	Q
Lab: Accredited Analytical Resources LLC					**1501955-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-11**	
Sample Detph (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/28/15**	
78-59-1	Isophorone	NA	NA	NA	0.0666	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0666	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0666	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0666	U
91-20-3	Naphthalene	12	100	12	**0.199**	J
98-95-3	Nitrobenzene	NA	NA	NA	0.0666	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0666	U
85-01-8	Phenanthrene	1000	100	100	**0.297**	J
108-95-2	Phenol	0.33	100	0.33	0.0666	U
129-00-0	Pyrene	1000	100	100	**0.177**	J
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.150	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**8180**	
7440-36-0	Antimony	NA	NA	NA	8.00	U
7440-38-2	Arsenic	16	16	13	2.00	U
7440-39-3	Barium	820	400	350	**57.1**	
7440-41-7	Beryllium	47	72	7.2	1.00	U
7440-43-9	Cadmium	7.5	4.3	2.5	1.00	U
7440-70-2	Calcium	NA	NA	NA	**8690**	
7440-47-3	Chromium	NA	NA	NA	**13.4**	
7440-48-4	Cobalt	NA	NA	NA	10.0	U
7440-50-8	Copper	1720	270	50	**21.0**	
7439-89-6	Iron	NA	NA	NA	**13000**	
7439-92-1	Lead	450	400	63	**90.0**	
7439-95-4	Magnesium	NA	NA	NA	**6420**	
7439-96-5	Manganese	2000	2000	1600	**158**	
7440-02-0	Nickel	130	310	30	**14.2**	
9/7/7440	Potassium	NA	NA	NA	**1100**	
7782-49-2	Selenium	4	180	3.9	4.00	U
7440-22-4	Silver	8.3	180	2	1.00	U
7440-23-5	Sodium	NA	NA	NA	**557**	
7440-28-0	Thallium	NA	NA	NA	3.00	U
7440-62-2	Vanadium	NA	NA	NA	**18.7**	
7440-66-6	Zinc	2480	10000	109	**48.5**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00200	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00200	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00200	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00200	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00200	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00200	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00200	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00200	U

Table 6
Endpoint Sample Results Summary
October 28, 2015 (EP-11)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501955					Result	Q
Lab: Accredited Analytical Resources LLC					**1501955-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-11**	
Sample Detph (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/28/15**	
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00200	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00200	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00200	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00200	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00200	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00200	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00200	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00200	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00200	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00200	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00200	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00200	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00200	U
78-93-3	2-Butanone	0.12	100	0.12	0.00200	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00200	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00200	U
591-78-6	2-Hexanone	NA	NA	NA	0.00200	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00200	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00200	U
67-64-1	Acetone	0.05	100	0.05	**0.0155**	B
107-02-8	Acrolein	NA	NA	NA	0.0120	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00400	U
71-43-2	Benzene	0.06	4.8	0.06	0.00200	U
108-86-1	Bromobenzene	NA	NA	NA	0.00200	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00200	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00200	U
75-25-2	Bromoform	NA	NA	NA	0.00200	U
74-83-9	Bromomethane	NA	NA	NA	0.00200	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00200	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00200	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00200	U
75-00-3	Chloroethane	NA	NA	NA	0.00200	U
67-66-3	Chloroform	0.37	49	0.37	0.00200	U
74-87-3	Chloromethane	NA	NA	NA	0.00200	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00200	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00200	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00200	U
74-95-3	Dibromomethane	NA	NA	NA	0.00200	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00200	U
100-41-4	Ethylbenzene	1	41	1	0.00200	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00200	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00200	U
108-38-3/106-	m,p-Xylenes	0.8	50	0.13	0.00400	U
75-09-2	Methylene Chloride	0.05	100	0.05	**0.0365**	B

Table 6
Endpoint Sample Results Summary
October 28, 2015 (EP-11)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501955					Result	Q
Lab: Accredited Analytical Resources LLC					**1501955-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-11**	
Sample Detph (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/28/15**	
104-51-8	n-Butyl Benzene	NA	NA	12	0.00200	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00200	U
95-47-6	o-Xylene	0.8	50	0.13	0.00400	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00200	U
135-98-8	sec-Butylbenzene	11	100	11	0.00200	U
100-42-5	Styrene	NA	NA	NA	0.00200	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00200	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00200	U
108-88-3	Toluene	0.7	100	0.7	0.00200	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00200	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00200	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00200	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00200	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00200	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00200	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**50.0**	
Wet Chemistry (mg/kg)						
	Cyanide (total)	40	27	27	2.00	U

Notes:

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)

NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)

RED = exceeds NYURU

Highlighted gray = Compound was not detected, but the Method Detection Limit (MDL) was above the NYURU SCOs. According to the laboratory, the elevated Selenium MDLs are due to the high moisture content of the sample matricies

~ = compound was not analyzed

NA = no applicable standard

Bold = detected compounds

mg/kg = miligram per kilogram

Qualifiers:

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected

Table 7
Endpoint Sample Results Summary
October 30, 2015 (EP-12)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501974					Result	Q
Lab: Accredited Analytical Resources LLC					**1501974-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-12**	
Sample Depth (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/30/15**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00210	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00210	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00210	U
309-00-2	Aldrin	0.19	0.097	0.005	0.00104	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00104	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00104	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0262	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0262	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0262	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0262	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0262	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0262	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0262	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0262	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0262	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.00104	U
319-86-8	delta-BHC	0.25	100	0.04	0.00104	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00210	U
959-98-8	Endosulfan I	102	24	2.4	0.00104	U
33213-65-9	Endosulfan II	102	24	2.4	0.00210	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00210	U
72-20-8	Endrin	0.06	11	0.014	0.00210	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00210	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00210	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00104	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00104	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.00104	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00104	U
72-43-5	Methoxychlor	NA	NA	NA	0.0105	U
8001-35-2	Toxaphene	NA	NA	NA	0.0525	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0525	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0525	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0525	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0525	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0525	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0525	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0525	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0525	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0525	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0525	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0525	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0525	U

Table 7
Endpoint Sample Results Summary
October 30, 2015 (EP-12)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501974					Result	Q
Lab: Accredited Analytical Resources LLC					**1501974-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-12**	
Sample Depth (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/30/15**	
95-57-8	2-Chlorophenol	NA	NA	NA	0.0525	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	**0.0754**	J
95-48-7	2-Methylphenol	0.33	100	0.33	0.0525	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0525	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0525	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0525	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.131	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0525	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0525	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0525	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0525	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0525	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0525	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0525	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0525	U
83-32-9	Acenaphthene	98	100	20	**0.242**	J
208-96-8	Acenaphthylene	107	100	100	0.0525	U
120-12-7	Anthracene	1000	100	100	**0.0932**	J
56-55-3	Benzo[a]anthracene	1	1	1	**0.0771**	J
50-32-8	Benzo[a]pyrene	22	1	1	0.0525	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0525	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0525	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0525	U
65-85-0	Benzoic acid	NA	NA	NA	0.131	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0525	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0525	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0525	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0525	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0525	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0525	U
218-01-9	Chrysene	1	3.9	1	**0.0813**	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0525	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0525	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0525	U
132-64-9	Dibenzofuran	210	59	7	**0.148**	J
84-66-2	Diethyl phthalate	NA	NA	NA	0.0525	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0525	U
206-44-0	Fluoranthene	1000	100	100	**0.326**	
86-73-7	Fluorene	386	100	30	**0.181**	J
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0525	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0525	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0525	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0525	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0525	U

Table 7
Endpoint Sample Results Summary
October 30, 2015 (EP-12)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501974					Result	Q
Lab: Accredited Analytical Resources LLC					**1501974-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-12**	
Sample Depth (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/30/15**	
78-59-1	Isophorone	NA	NA	NA	0.0525	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0525	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0525	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0525	U
91-20-3	Naphthalene	12	100	12	**0.335**	
98-95-3	Nitrobenzene	NA	NA	NA	0.0525	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0525	U
85-01-8	Phenanthrene	1000	100	100	**0.489**	
108-95-2	Phenol	0.33	100	0.33	0.0525	U
129-00-0	Pyrene	1000	100	100	**0.216**	J
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.118	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**8820**	
7440-36-0	Antimony	NA	NA	NA	6.31	U
7440-38-2	Arsenic	16	16	13	**2.65**	
7440-39-3	Barium	820	400	350	**50.9**	
7440-41-7	Beryllium	47	72	7.2	0.789	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.789	U
7440-70-2	Calcium	NA	NA	NA	**4870**	
7440-47-3	Chromium	NA	NA	NA	**14.0**	
7440-48-4	Cobalt	NA	NA	NA	7.89	U
7440-50-8	Copper	1720	270	50	**23.2**	
7439-89-6	Iron	NA	NA	NA	**13700**	
7439-92-1	Lead	450	400	63	**22.4**	
7439-95-4	Magnesium	NA	NA	NA	**5430**	
7439-96-5	Manganese	2000	2000	1600	**161**	
7440-02-0	Nickel	130	310	30	**15.8**	
9/7/7440	Potassium	NA	NA	NA	**1010**	
7782-49-2	Selenium	4	180	3.9	3.15	U
7440-22-4	Silver	8.3	180	2	0.789	U
7440-23-5	Sodium	NA	NA	NA	**395**	
7440-28-0	Thallium	NA	NA	NA	2.37	U
7440-62-2	Vanadium	NA	NA	NA	**15.9**	
7440-66-6	Zinc	2480	10000	109	**60.7**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00158	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00158	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00158	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00158	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00158	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00158	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00158	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00158	U

Table 7
Endpoint Sample Results Summary
October 30, 2015 (EP-12)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501974					Result	Q
Lab: Accredited Analytical Resources LLC					**1501974-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-12**	
Sample Depth (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/30/15**	
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00158	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00158	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	**0.00344**	
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00158	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00158	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00158	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00158	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00158	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	**0.00215**	J
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00158	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00158	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00158	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00158	U
78-93-3	2-Butanone	0.12	100	0.12	0.00158	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00158	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00158	U
591-78-6	2-Hexanone	NA	NA	NA	0.00158	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00158	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00158	U
67-64-1	Acetone	0.05	100	0.05	**0.0300**	B
107-02-8	Acrolein	NA	NA	NA	0.00946	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00315	U
71-43-2	Benzene	0.06	4.8	0.06	0.00158	U
108-86-1	Bromobenzene	NA	NA	NA	0.00158	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00158	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00158	U
75-25-2	Bromoform	NA	NA	NA	0.00158	U
74-83-9	Bromomethane	NA	NA	NA	0.00158	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00158	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00158	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00158	U
75-00-3	Chloroethane	NA	NA	NA	0.00158	U
67-66-3	Chloroform	0.37	49	0.37	0.00158	U
74-87-3	Chloromethane	NA	NA	NA	0.00158	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00158	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00158	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00158	U
74-95-3	Dibromomethane	NA	NA	NA	0.00158	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00158	U
100-41-4	Ethylbenzene	1	41	1	**0.00467**	
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00158	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00158	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	**0.00456**	J
75-09-2	Methylene Chloride	0.05	100	0.05	**0.0258**	B

Table 7
Endpoint Sample Results Summary
October 30, 2015 (EP-12)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501974					Result	Q
Lab: Accredited Analytical Resources LLC					**1501974-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY; 10BR188					**EP-12**	
Sample Depth (feet below grade surface):					**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**10/30/15**	
104-51-8	n-Butyl Benzene	NA	NA	12	0.00158	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00158	U
95-47-6	o-Xylene	0.8	50	0.13	**0.00388**	J
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00158	U
135-98-8	sec-Butylbenzene	11	100	11	0.00158	U
100-42-5	Styrene	NA	NA	NA	0.00158	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00158	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00158	U
108-88-3	Toluene	0.7	100	0.7	**0.00279**	J
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00158	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00158	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00158	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00158	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00158	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00158	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**63.4**	
Wet Chemistry (mg/kg)						
	Cyanide (total)	40	27	27	1.58	U

Notes:

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)

NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)

No compounds were detected at concentrations exceeding the NYURU, NYRRES, or NYPGW

~ = compound was not analyzed

NA = no applicable standard

Bold = detected compounds

mg/kg = miligram per kilograms

Qualifiers:

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected

Table 8
Endpoint Sample Results Summary
November 4, 2015 (EP-13 and EP-9b)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502015					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502015-01**		**1502015-02**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-13**		**EP-9b**	
Sample Depth (feet below grade surface):					**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/04/15**		**11/04/15**	
EPA Method SW846 8081/8082 (mg/kg)								
72-54-8	4,4'-DDD	14	13	0.0033	0.00646	U	0.00229	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00646	U	0.00229	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00646	U	0.00229	U
309-00-2	Aldrin	0.19	0.097	0.005	0.00320	U	0.00114	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00320	U	0.00114	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00320	U	0.00114	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0806	U	0.0286	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0806	U	0.0286	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0806	U	0.0286	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0806	U	0.0286	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0806	U	0.0286	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0806	U	0.0286	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0806	U	0.0286	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0806	U	0.0286	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0806	U	0.0286	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.00320	U	0.00114	U
319-86-8	delta-BHC	0.25	100	0.04	0.00320	U	0.00114	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00646	U	0.00229	U
959-98-8	Endosulfan I	102	24	2.4	0.00320	U	0.00114	U
33213-65-9	Endosulfan II	102	24	2.4	0.00646	U	0.00229	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00646	U	0.00229	U
72-20-8	Endrin	0.06	11	0.014	0.00646	U	0.00229	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00646	U	0.00229	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00646	U	0.00229	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00320	U	0.00114	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00320	U	0.00114	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.00320	U	0.00114	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00320	U	0.00114	U
72-43-5	Methoxychlor	NA	NA	NA	0.0323	U	0.0115	U
8001-35-2	Toxaphene	NA	NA	NA	0.162	U	0.0574	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)								
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.162	U	0.0574	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.162	U	0.0574	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.162	U	0.0574	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.162	U	0.0574	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.162	U	0.0574	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.162	U	0.0574	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.162	U	0.0574	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.162	U	0.0574	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.162	U	0.0574	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.162	U	0.0574	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.162	U	0.0574	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.162	U	0.0574	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.162	U	0.0574	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.162	U	0.0574	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.162	U	0.0574	U

Table 8
Endpoint Sample Results Summary
November 4, 2015 (EP-13 and EP-9b)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502015					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502015-01**		**1502015-02**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-13**		**EP-9b**	
Sample Depth (feet below grade surface):					**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/04/15**		**11/04/15**	
88-74-4	2-Nitroaniline	NA	NA	NA	0.162	U	0.0574	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.162	U	0.0574	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.162	U	0.0574	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.403	U	0.143	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.162	U	0.0574	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.162	U	0.0574	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.162	U	0.0574	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.162	U	0.0574	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.162	U	0.0574	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.162	U	0.0574	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.162	U	0.0574	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.162	U	0.0574	U
83-32-9	Acenaphthene	98	100	20	**0.163**	J	**0.107**	J
208-96-8	Acenaphthylene	107	100	100	0.162	U	0.0574	U
120-12-7	Anthracene	1000	100	100	**0.273**	J	**0.250**	J
56-55-3	Benzo[a]anthracene	1	1	1	**0.536**	J	**0.498**	
50-32-8	Benzo[a]pyrene	22	1	1	**0.421**	J	**0.393**	
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.361**	J	**0.342**	
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.272**	J	**0.244**	J
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.371**	J	**0.320**	
65-85-0	Benzoic acid	NA	NA	NA	0.403	U	0.143	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.162	U	0.0574	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.162	U	0.0574	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.162	U	0.0574	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.162	U	0.0574	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.162	U	0.0574	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.162	U	0.0574	U
218-01-9	Chrysene	1	3.9	1	**0.638**	J	**0.664**	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.162	U	0.0574	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.162	U	0.0574	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.162	U	**0.0977**	J
132-64-9	Dibenzofuran	210	59	7	0.162	U	0.0574	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.162	U	0.0574	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.162	U	0.0574	U
206-44-0	Fluoranthene	1000	100	100	**1.12**		**1.02**	
86-73-7	Fluorene	386	100	30	0.162	U	**0.103**	J
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.162	U	0.0574	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.162	U	0.0574	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.162	U	0.0574	U
67-72-1	Hexachloroethane	NA	NA	NA	0.162	U	0.0574	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.243**	J	**0.209**	J
78-59-1	Isophorone	NA	NA	NA	0.162	U	0.0574	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.162	U	0.0574	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.162	U	0.0574	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.162	U	0.0574	U
91-20-3	Naphthalene	12	100	12	0.162	U	**0.0707**	J
98-95-3	Nitrobenzene	NA	NA	NA	0.162	U	0.0574	U

Table 8
Endpoint Sample Results Summary
November 4, 2015 (EP-13 and EP-9b)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502015					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502015-01**		**1502015-02**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-13**		**EP-9b**	
Sample Depth (feet below grade surface):					**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/04/15**		**11/04/15**	
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.162	U	0.0574	U
85-01-8	Phenanthrene	1000	100	100	**1.24**		**1.24**	
108-95-2	Phenol	0.33	100	0.33	0.162	U	0.0574	U
129-00-0	Pyrene	1000	100	100	**1.54**		**1.44**	
Total Mercury by SW846 7471 (mg/kg)								
7439-97-6	Mercury	0.73	0.81	0.18	0.364	U	0.129	U
Total Metals by EPA Method SW846 6010 (mg/kg)								
7429-90-5	Aluminum	NA	NA	NA	**3570**		**9520**	
7440-36-0	Antimony	NA	NA	NA	19.4	U	6.90	U
7440-38-2	Arsenic	16	16	13	4.85	U	**2.41**	
7440-39-3	Barium	820	400	350	97.1	U	**63.8**	
7440-41-7	Beryllium	47	72	7.2	2.43	U	0.862	U
7440-43-9	Cadmium	7.5	4.3	2.5	2.43	U	0.862	U
7440-70-2	Calcium	NA	NA	NA	**22800**		**10200**	
7440-47-3	Chromium	NA	NA	NA	9.71	U	**16.6**	
7440-48-4	Cobalt	NA	NA	NA	24.3	U	8.62	U
7440-50-8	Copper	1720	270	50	**27.3**		**23.2**	
7439-89-6	Iron	NA	NA	NA	**9180**		**15400**	
7439-92-1	Lead	450	400	63	**10.2**		**31.5**	
7439-95-4	Magnesium	NA	NA	NA	**10700**		**7330**	
7439-96-5	Manganese	2000	2000	1600	**211**		**274**	
7440-02-0	Nickel	130	310	30	19.4	U	**14.7**	
9/7/7440	Potassium	NA	NA	NA	**762**		**1490**	
7782-49-2	Selenium	4	180	3.9	9.71	U	3.45	U
7440-22-4	Silver	8.3	180	2	2.43	U	0.862	U
7440-23-5	Sodium	NA	NA	NA	**3730**		**447**	
7440-28-0	Thallium	NA	NA	NA	7.28	U	2.59	U
7440-62-2	Vanadium	NA	NA	NA	24.3	U	**25.3**	
7440-66-6	Zinc	2480	10000	109	**166**		**62.4**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)								
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00801	U	0.00229	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00801	U	0.00229	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00801	U	0.00229	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00801	U	0.00229	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00801	U	0.00229	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00801	U	0.00229	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00801	U	0.00229	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00801	U	0.00229	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00801	U	0.00229	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00801	U	0.00229	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00801	U	**0.00417**	J
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00801	U	0.00229	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00801	U	0.00229	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00801	U	0.00229	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00801	U	0.00229	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00801	U	0.00229	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00801	U	0.00229	U

Table 8
Endpoint Sample Results Summary
November 4, 2015 (EP-13 and EP-9b)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502015					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502015-01**		**1502015-02**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-13**		**EP-9b**	
Sample Depth (feet below grade surface):					**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/04/15**		**11/04/15**	
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00801	U	0.00229	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00801	U	0.00229	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00801	U	0.00229	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00801	U	0.00229	U
78-93-3	2-Butanone	0.12	100	0.12	0.00801	U	0.00229	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00801	U	0.00229	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00801	U	0.00229	U
591-78-6	2-Hexanone	NA	NA	NA	0.00801	U	0.00229	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00801	U	0.00229	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00801	U	0.00229	U
67-64-1	Acetone	0.05	100	0.05	**0.0719**		0.00229	U
107-02-8	Acrolein	NA	NA	NA	0.0481	U	0.0138	U
107-13-1	Acrylonitrile	NA	NA	NA	0.0160	U	0.00459	U
71-43-2	Benzene	0.06	4.8	0.06	0.00801	U	0.00229	U
108-86-1	Bromobenzene	NA	NA	NA	0.00801	U	0.00229	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00801	U	0.00229	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00801	U	0.00229	U
75-25-2	Bromoform	NA	NA	NA	0.00801	U	0.00229	U
74-83-9	Bromomethane	NA	NA	NA	0.00801	U	0.00229	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00801	U	0.00229	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00801	U	0.00229	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00801	U	0.00229	U
75-00-3	Chloroethane	NA	NA	NA	0.00801	U	0.00229	U
67-66-3	Chloroform	0.37	49	0.37	0.00801	U	0.00229	U
74-87-3	Chloromethane	NA	NA	NA	0.00801	U	0.00229	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00801	U	0.00229	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00801	U	0.00229	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00801	U	0.00229	U
74-95-3	Dibromomethane	NA	NA	NA	0.00801	U	0.00229	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00801	U	0.00229	U
100-41-4	Ethylbenzene	1	41	1	0.00801	U	0.00229	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00801	U	0.00229	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00801	U	**0.00259**	J
108-38-3/106-42-	m,p-Xylenes	0.8	50	0.13	0.0160	U	0.00459	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00801	U	0.00229	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00801	U	0.00229	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00801	U	**0.00454**	J
95-47-6	o-Xylene	0.8	50	0.13	0.0160	U	0.00459	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00801	U	0.00229	U

Table 8
Endpoint Sample Results Summary
November 4, 2015 (EP-13 and EP-9b)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502015					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502015-01**		**1502015-02**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-13**		**EP-9b**	
Sample Depth (feet below grade surface):					**15**		**15**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/04/15**		**11/04/15**	
135-98-8	sec-Butylbenzene	11	100	11	0.00801	U	0.00229	U
100-42-5	Styrene	NA	NA	NA	0.00801	U	0.00229	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00801	U	0.00229	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00801	U	0.00229	U
108-88-3	Toluene	0.7	100	0.7	0.00801	U	0.00229	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00801	U	0.00229	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00801	U	0.00229	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00801	U	0.00229	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00801	U	0.00229	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00801	U	0.00229	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00801	U	0.00229	U
Wet Chemistry (%)								
	Percent Solids	NA	NA	NA	**20.6**		**58.0**	
Wet Chemistry (mg/kg)								
	Cyanide (total)	40	27	27	4.85	U	1.72	U

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted yellow = exceeds NYPGW
Highlighted gray = Compound was not detected, but the Method Detection Limit (MDL) was above the NYURU SCOs. According to the laboratory, the elevated Selenium MDLs are due to the high moisture content of the sample matricies
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 9
Endpoint Sample Results Summary
November 9, 2015 (EP-14, EP-15, and EP-16)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502031					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502031-01**		**1502031-02**		**1502031-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-14**		**EP-15**		**EP-16**	
Sample Depth (feet below grade surface):					**15**		**15**		**13**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/09/15**		**11/09/15**		**11/09/15**	
EPA Method SW846 8081/8082 (mg/kg)										
72-54-8	4,4'-DDD	14	13	0.0033	0.00211	U	0.00229	U	0.00158	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00211	U	0.00229	U	0.00158	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00211	U	0.00229	U	0.00158	U
309-00-2	Aldrin	0.19	0.097	0.005	0.00105	U	0.00114	U	0.000784	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00105	U	0.00114	U	0.000784	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00105	U	0.00114	U	0.000784	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0263	U	0.0286	U	0.0197	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0263	U	0.0286	U	0.0197	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0263	U	0.0286	U	0.0197	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0263	U	0.0286	U	0.0197	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0263	U	0.0286	U	0.0197	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0263	U	0.0286	U	0.0197	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0263	U	0.0286	U	0.0197	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0263	U	0.0286	U	0.0197	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0263	U	0.0286	U	0.0197	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.00105	U	0.00114	U	0.000784	U
319-86-8	delta-BHC	0.25	100	0.04	0.00105	U	0.00114	U	0.000784	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00211	U	0.00229	U	0.00158	U
959-98-8	Endosulfan I	102	24	2.4	0.00105	U	0.00114	U	0.000784	U
33213-65-9	Endosulfan II	102	24	2.4	0.00211	U	0.00229	U	0.00158	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00211	U	0.00229	U	0.00158	U
72-20-8	Endrin	0.06	11	0.014	0.00211	U	0.00229	U	0.00158	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00211	U	0.00229	U	0.00158	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00211	U	0.00229	U	0.00158	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00105	U	0.00114	U	0.000784	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00105	U	0.00114	U	0.000784	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.00105	U	0.00114	U	0.000784	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00105	U	0.00114	U	0.000784	U
72-43-5	Methoxychlor	NA	NA	NA	0.0106	U	0.0115	U	0.00791	U
8001-35-2	Toxaphene	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U

Table 9
Endpoint Sample Results Summary
November 9, 2015 (EP-14, EP-15, and EP-16)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502031					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502031-01**		**1502031-02**		**1502031-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-14**		**EP-15**		**EP-16**	
Sample Depth (feet below grade surface):					**15**		**15**		**13**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/09/15**		**11/09/15**		**11/09/15**	
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)										
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0529	U	0.0574	U	0.0395	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0529	U	0.0574	U	0.0395	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0529	U	0.0574	U	0.0395	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	**0.0874**	J	0.0574	U	**0.706**	
95-48-7	2-Methylphenol	0.33	100	0.33	0.0529	U	0.0574	U	0.0395	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0529	U	0.0574	U	0.0395	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.132	U	0.143	U	0.0986	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
83-32-9	Acenaphthene	98	100	20	**0.139**	J	0.0574	U	**0.310**	
208-96-8	Acenaphthylene	107	100	100	0.0529	U	0.0574	U	**0.0478**	J
120-12-7	Anthracene	1000	100	100	**0.335**		**0.0842**	J	**0.514**	

Table 9
Endpoint Sample Results Summary
November 9, 2015 (EP-14, EP-15, and EP-16)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502031					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502031-01**		**1502031-02**		**1502031-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-14**		**EP-15**		**EP-16**	
Sample Depth (feet below grade surface):					**15**		**15**		**13**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/09/15**		**11/09/15**		**11/09/15**	
56-55-3	Benzo[a]anthracene	1	1	1	**0.539**		**0.226**	J	**1.03**	
50-32-8	Benzo[a]pyrene	22	1	1	**0.504**		**0.245**	J	**1.03**	
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.492**		**0.249**	J	**0.956**	
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.201**	J	**0.0861**	J	**0.277**	
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.399**		**0.200**	J	**0.988**	
65-85-0	Benzoic acid	NA	NA	NA	0.132	U	0.143	U	0.0986	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	**0.193**	J	0.0574	U	**0.0617**	J
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
218-01-9	Chrysene	1	3.9	1	**0.526**		**0.236**	J	**1.09**	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0529	U	0.0574	U	**0.124**	J
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	**0.111**	J	0.0574	U	**0.128**	J
132-64-9	Dibenzofuran	210	59	7	**0.130**	J	0.0574	U	**0.162**	J
84-66-2	Diethyl phthalate	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
206-44-0	Fluoranthene	1000	100	100	**1.44**		**0.532**		**2.50**	
86-73-7	Fluorene	386	100	30	**0.204**	J	0.0574	U	**0.336**	
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0529	U	0.0574	U	0.0395	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.202**	J	**0.0879**	J	**0.303**	
78-59-1	Isophorone	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
91-20-3	Naphthalene	12	100	12	**0.252**	J	0.0574	U	**0.521**	

Table 9
Endpoint Sample Results Summary
November 9, 2015 (EP-14, EP-15, and EP-16)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502031					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502031-01**		**1502031-02**		**1502031-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-14**		**EP-15**		**EP-16**	
Sample Depth (feet below grade surface):					**15**		**15**		**13**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/09/15**		**11/09/15**		**11/09/15**	
98-95-3	Nitrobenzene	NA	NA	NA	0.0529	U	0.0574	U	0.0395	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0529	U	0.0574	U	0.0395	U
85-01-8	Phenanthrene	1000	100	100	**1.37**		**0.338**		**2.31**	
108-95-2	Phenol	0.33	100	0.33	0.0529	U	0.0574	U	0.0395	U
129-00-0	Pyrene	1000	100	100	**1.10**		**0.453**		**2.17**	
Total Mercury by SW846 7471 (mg/kg)										
7439-97-6	Mercury	0.73	0.81	0.18	0.119	U	0.129	U	**0.158**	
Total Metals by EPA Method SW846 6010 (mg/kg)										
7429-90-5	Aluminum	NA	NA	NA	**8800**		**12500**		**11300**	
7440-36-0	Antimony	NA	NA	NA	6.35	U	6.90	U	4.75	U
7440-38-2	Arsenic	16	16	13	**2.88**		**4.25**		**3.66**	
7440-39-3	Barium	820	400	350	**65.7**		**72.1**		**79.6**	
7440-41-7	Beryllium	47	72	7.2	0.794	U	0.862	U	0.594	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.794	U	0.862	U	0.594	U
7440-70-2	Calcium	NA	NA	NA	**9570**		**9880**		**13400**	
7440-47-3	Chromium	NA	NA	NA	**15.8**		**21.2**		**21.4**	
7440-48-4	Cobalt	NA	NA	NA	7.94	U	8.62	U	**8.44**	
7440-50-8	Copper	1720	270	50	**30.7**		**35.1**		**61.0**	
7439-89-6	Iron	NA	NA	NA	**15300**		**21600**		**22200**	
7439-92-1	Lead	450	400	63	**58.0**		**74.3**		**149**	
7439-95-4	Magnesium	NA	NA	NA	**7320**		**7480**		**6940**	
7439-96-5	Manganese	2000	2000	1600	**239**		**298**		**412**	
7440-02-0	Nickel	130	310	30	**15.3**		**16.5**		**14.7**	
9/7/7440	Potassium	NA	NA	NA	**1510**		**1690**		**1580**	
7782-49-2	Selenium	4	180	3.9	3.17	U	3.45	U	2.38	U
7440-22-4	Silver	8.3	180	2	0.794	U	0.862	U	0.594	U
7440-23-5	Sodium	NA	NA	NA	**412**		**1130**		**173**	
7440-28-0	Thallium	NA	NA	NA	2.38	U	2.59	U	1.78	U
7440-62-2	Vanadium	NA	NA	NA	**21.2**		**29.7**		**32.0**	
7440-66-6	Zinc	2480	10000	109	**107**		**130**		**158**	

Table 9
Endpoint Sample Results Summary
November 9, 2015 (EP-14, EP-15, and EP-16)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502031					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502031-01**		**1502031-02**		**1502031-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-14**		**EP-15**		**EP-16**	
Sample Depth (feet below grade surface):					**15**		**15**		**13**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/09/15**		**11/09/15**		**11/09/15**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)										
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00227	U	0.00172	U	0.00119	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00227	U	0.00172	U	0.00119	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00227	U	0.00172	U	0.00119	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00227	U	0.00172	U	**0.0190**	
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00227	U	0.00172	U	0.00119	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00227	U	0.00172	U	0.00119	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00227	U	0.00172	U	**0.0297**	
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00227	U	0.00172	U	0.00119	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00227	U	0.00172	U	0.00119	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
78-93-3	2-Butanone	0.12	100	0.12	0.00227	U	**0.0848**		0.00119	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
591-78-6	2-Hexanone	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
67-64-1	Acetone	0.05	100	0.05	**0.0134**	B	**0.344**	B	**0.0502**	B
107-02-8	Acrolein	NA	NA	NA	0.0136	U	0.0103	U	0.00713	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00454	U	0.00345	U	0.00238	U

Table 9
Endpoint Sample Results Summary
November 9, 2015 (EP-14, EP-15, and EP-16)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502031					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502031-01**		**1502031-02**		**1502031-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-14**		**EP-15**		**EP-16**	
Sample Depth (feet below grade surface):					**15**		**15**		**13**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/09/15**		**11/09/15**		**11/09/15**	
71-43-2	Benzene	0.06	4.8	0.06	0.00227	U	0.00172	U	0.00119	U
108-86-1	Bromobenzene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
75-25-2	Bromoform	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
74-83-9	Bromomethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00227	U	**0.00259**	J	0.00119	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00227	U	0.00172	U	0.00119	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00227	U	0.00172	U	0.00119	U
75-00-3	Chloroethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
67-66-3	Chloroform	0.37	49	0.37	0.00227	U	0.00172	U	0.00119	U
74-87-3	Chloromethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00227	U	0.00172	U	0.00119	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
74-95-3	Dibromomethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
100-41-4	Ethylbenzene	1	41	1	0.00227	U	0.00172	U	**0.00369**	
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00227	U	0.00172	U	**0.00939**	
108-38-3/106-42-	m,p-Xylenes	0.8	50	0.13	0.00454	U	0.00345	U	**0.00690**	
75-09-2	Methylene Chloride	0.05	100	0.05	**0.00322**	JB	0.00172	U	0.00119	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00227	U	0.00172	U	**0.0126**	
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00227	U	0.00172	U	**0.0183**	
95-47-6	o-Xylene	0.8	50	0.13	0.00454	U	0.00345	U	**0.0131**	
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00227	U	0.00172	U	**0.00688**	
135-98-8	sec-Butylbenzene	11	100	11	0.00227	U	0.00172	U	**0.00583**	
100-42-5	Styrene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00227	U	0.00172	U	**0.00135**	J
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00227	U	0.00172	U	0.00119	U
108-88-3	Toluene	0.7	100	0.7	0.00227	U	0.00172	U	0.00119	U

Table 9
Endpoint Sample Results Summary
November 9, 2015 (EP-14, EP-15, and EP-16)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502031					Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1502031-01**		**1502031-02**		**1502031-03**	
Client: BRINKERHOFF ENVIRONMENTAL - 138th Street, Bronx, NY					**EP-14**		**EP-15**		**EP-16**	
Sample Depth (feet below grade surface):					**15**		**15**		**13**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/09/15**		**11/09/15**		**11/09/15**	
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00227	U	0.00172	U	0.00119	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00227	U	0.00172	U	0.00119	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00227	U	0.00172	U	0.00119	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00227	U	0.00172	U	0.00119	U
Wet Chemistry (%)										
	Percent Solids	NA	NA	NA	**63.0**		**58.0**		**84.2**	
Wet Chemistry (mg/kg)										
	Cyanide (total)	40	27	27	1.59	U	1.72	U	1.19	U

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted yellow = exceeds NYPGW
Underlined = exceeds NYRRES
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 10
Endpoint Sample Results Summary
November 17, 2015 (EP-17)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502101					Result	Q
Lab: Accredited Analytical Resources LLC					**1502101-01**	
Sample Depth (feet below grade surface):					**12-13**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-17**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/17/15**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00251	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00251	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00251	U
309-00-2	Aldrin	0.19	0.097	0.005	0.00125	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00125	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00125	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0313	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0313	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0313	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0313	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0313	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0313	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0313	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0313	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0313	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.00125	U
319-86-8	delta-BHC	0.25	100	0.04	0.00125	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00251	U
959-98-8	Endosulfan I	102	24	2.4	0.00125	U
33213-65-9	Endosulfan II	102	24	2.4	0.00251	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00251	U
72-20-8	Endrin	0.06	11	0.014	0.00251	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00251	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00251	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00125	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00125	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.00125	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00125	U
72-43-5	Methoxychlor	NA	NA	NA	0.0126	U
8001-35-2	Toxaphene	NA	NA	NA	0.0628	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0628	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0628	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0628	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0628	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0628	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0628	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0628	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0628	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0628	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0628	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0628	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0628	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0628	U

Table 10
Endpoint Sample Results Summary
November 17, 2015 (EP-17)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502101					Result	Q
Lab: Accredited Analytical Resources LLC					**1502101-01**	
Sample Depth (feet below grade surface):					**12-13**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-17**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/17/15**	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0628	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0628	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0628	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0628	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0628	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.157	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0628	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0628	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0628	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0628	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0628	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0628	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0628	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0628	U
83-32-9	Acenaphthene	98	100	20	**0.112**	J
208-96-8	Acenaphthylene	107	100	100	0.0628	U
120-12-7	Anthracene	1000	100	100	**0.106**	J
56-55-3	Benzo[a]anthracene	1	1	1	**0.231**	J
50-32-8	Benzo[a]pyrene	22	1	1	**0.247**	J
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.224**	J
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.130**	J
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.201**	J
65-85-0	Benzoic acid	NA	NA	NA	**0.314**	J
100-51-6	Benzyl alcohol	NA	NA	NA	0.0628	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0628	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0628	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0628	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0628	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0628	U
218-01-9	Chrysene	1	3.9	1	**0.239**	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0628	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0628	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	**0.0700**	J
132-64-9	Dibenzofuran	210	59	7	0.0628	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0628	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0628	U
206-44-0	Fluoranthene	1000	100	100	**0.580**	
86-73-7	Fluorene	386	100	30	**0.0914**	J
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0628	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0628	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0628	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0628	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.132**	J
78-59-1	Isophorone	NA	NA	NA	0.0628	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0628	U

Table 10
Endpoint Sample Results Summary
November 17, 2015 (EP-17)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502101					Result	Q
Lab: Accredited Analytical Resources LLC					**1502101-01**	
Sample Depth (feet below grade surface):					**12-13**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-17**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/17/15**	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0628	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0628	U
91-20-3	Naphthalene	12	100	12	**0.132**	J
98-95-3	Nitrobenzene	NA	NA	NA	0.0628	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0628	U
85-01-8	Phenanthrene	1000	100	100	**0.438**	
108-95-2	Phenol	0.33	100	0.33	0.0628	U
129-00-0	Pyrene	1000	100	100	**0.431**	
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.142	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**8580**	
7440-36-0	Antimony	NA	NA	NA	7.55	U
7440-38-2	Arsenic	16	16	13	**3.28**	
7440-39-3	Barium	820	400	350	**60.1**	
7440-41-7	Beryllium	47	72	7.2	0.943	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.943	U
7440-70-2	Calcium	NA	NA	NA	**10200**	
7440-47-3	Chromium	NA	NA	NA	**15.0**	
7440-48-4	Cobalt	NA	NA	NA	9.43	U
7440-50-8	Copper	1720	270	50	**21.7**	
7439-89-6	Iron	NA	NA	NA	**19200**	
7439-92-1	Lead	450	400	63	**39.2**	
7439-95-4	Magnesium	NA	NA	NA	**7530**	
7439-96-5	Manganese	2000	2000	1600	**234**	
7440-02-0	Nickel	130	310	30	**13.2**	
2023-69-5	Potassium	NA	NA	NA	**1190**	
7782-49-2	Selenium	4	180	3.9	3.77	U
7440-22-4	Silver	8.3	180	2	0.943	U
7440-23-5	Sodium	NA	NA	NA	**1140**	
7440-28-0	Thallium	NA	NA	NA	2.83	U
7440-62-2	Vanadium	NA	NA	NA	**20.7**	
7440-66-6	Zinc	2480	10000	109	**55.7**	

Table 10
Endpoint Sample Results Summary
November 17, 2015 (EP-17)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502101					Result	Q
Lab: Accredited Analytical Resources LLC					**1502101-01**	
Sample Depth (feet below grade surface):					**12-13**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-17**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/17/15**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00417	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00417	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00417	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00417	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00417	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00417	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00417	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00417	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00417	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00417	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	**0.00672**	J
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00417	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00417	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00417	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00417	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00417	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00417	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00417	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00417	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00417	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00417	U
78-93-3	2-Butanone	0.12	100	0.12	0.00417	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00417	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00417	U
591-78-6	2-Hexanone	NA	NA	NA	0.00417	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00417	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00417	U
67-64-1	Acetone	0.05	100	0.05	**0.0730**	
107-02-8	Acrolein	NA	NA	NA	0.0250	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00835	U
71-43-2	Benzene	0.06	4.8	0.06	0.00417	U
108-86-1	Bromobenzene	NA	NA	NA	0.00417	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00417	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00417	U
75-25-2	Bromoform	NA	NA	NA	0.00417	U
74-83-9	Bromomethane	NA	NA	NA	0.00417	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00417	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00417	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00417	U
75-00-3	Chloroethane	NA	NA	NA	0.00417	U
67-66-3	Chloroform	0.37	49	0.37	0.00417	U
74-87-3	Chloromethane	NA	NA	NA	0.00417	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00417	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00417	U

Table 10
Endpoint Sample Results Summary
November 17, 2015 (EP-17)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502101					Result	Q
Lab: Accredited Analytical Resources LLC					**1502101-01**	
Sample Depth (feet below grade surface):					**12-13**	
Client: BRINKERHOFF ENVIRONMENTAL - E. 138th Street, Bronx, NY; 10BR188					**EP-17**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/17/15**	
124-48-1	Dibromochloromethane	NA	NA	NA	0.00417	U
74-95-3	Dibromomethane	NA	NA	NA	0.00417	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00417	U
100-41-4	Ethylbenzene	1	41	1	0.00417	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00417	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00417	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	0.00835	U
75-09-2	Methylene Chloride	0.05	100	0.05	**0.00626**	J
104-51-8	n-Butyl Benzene	NA	NA	12	0.00417	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00417	U
95-47-6	o-Xylene	0.8	50	0.13	0.00835	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00417	U
135-98-8	sec-Butylbenzene	11	100	11	0.00417	U
100-42-5	Styrene	NA	NA	NA	0.00417	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00417	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00417	U
108-88-3	Toluene	0.7	100	0.7	0.00417	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00417	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00417	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00417	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00417	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00417	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00417	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**53.0**	
Wet Chemistry (mg/kg)						
	Cyanide (total)	40	27	27	1.89	U

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted yellow = exceeds NYPGW
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 11
Endpoint Sample Results Summary
December 22, 2015
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502312					**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502312-01**		**1502312-02**		**1502312-03**	
Sample Depth (feet below grade surface):					**15**		**15**		**15**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, N					**CR-1**		**CR-2**		**CR-3**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/22/15**		**12/22/15**		**12/22/15**	
Total Metals by EPA Method SW846 6010 (mg/kg)										
7440-47-3	Chromium	NA	NA	NA	**9.75**		**13.1**		**9.55**	
Wet Chemistry (%)										
	Percent Solids	NA	NA	NA	**81.2**		**81.2**		**80.0**	
Wet Chemistry (mg/kg)										
1854-02-99	Chromium, Hexavalent	19	110	1	2.46	U	2.46	U	2.50	U
16065-83-1	Trivalent Chromium	NA	180	30	**9.75**		**13.1**		**9.55**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
No compounds were detected at concentrations exceeding the NYURU, NYRRES, and the NYPGW Standards
NA = Not Applicable
mg/kg = miligrams per kilogram
Bold = detected compounds

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 12
Endpoint Sample Results Summary
December 23, 2015 (EP-18)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502323					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502323-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-18**	
Sample Depth (feet below grade surface):					**15-18**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/23/15**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00187	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00187	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00187	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000926	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000926	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000926	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0233	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0233	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0233	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0233	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0233	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0233	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0233	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0233	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0233	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000926	U
319-86-8	delta-BHC	0.25	100	0.04	0.000926	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00187	U
959-98-8	Endosulfan I	102	24	2.4	0.000926	U
33213-65-9	Endosulfan II	102	24	2.4	0.00187	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00187	U
72-20-8	Endrin	0.06	11	0.014	0.00187	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00187	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00187	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000926	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000926	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000926	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000926	U
72-43-5	Methoxychlor	NA	NA	NA	0.00281	U
8001-35-2	Toxaphene	NA	NA	NA	0.0467	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0467	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0467	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0467	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0467	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0467	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0467	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0467	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0467	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0467	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0467	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0467	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0467	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0467	U

Table 12
Endpoint Sample Results Summary
December 23, 2015 (EP-18)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502323					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502323-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-18**	
Sample Depth (feet below grade surface):					**15-18**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/23/15**	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0467	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0467	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0467	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0467	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0467	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.116	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0467	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0467	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0467	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0467	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0467	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0467	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0467	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0467	U
83-32-9	Acenaphthene	98	100	20	0.0467	U
208-96-8	Acenaphthylene	107	100	100	0.0467	U
120-12-7	Anthracene	1000	100	100	**0.0818**	J
56-55-3	Benzo[a]anthracene	1	1	1	**0.238**	
50-32-8	Benzo[a]pyrene	22	1	1	**0.219**	J
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.223**	J
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.115**	J
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.200**	J
65-85-0	Benzoic acid	NA	NA	NA	0.116	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0467	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0467	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0467	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0467	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0467	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0467	U
218-01-9	Chrysene	1	3.9	1	**0.285**	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0467	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0467	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	**0.0477**	J
132-64-9	Dibenzofuran	210	59	7	0.0467	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0467	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0467	U
206-44-0	Fluoranthene	1000	100	100	**0.581**	
86-73-7	Fluorene	386	100	30	0.0467	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0467	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0467	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0467	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0467	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.113**	J
78-59-1	Isophorone	NA	NA	NA	0.0467	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0467	U

Table 12
Endpoint Sample Results Summary
December 23, 2015 (EP-18)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502323					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502323-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-18**	
Sample Depth (feet below grade surface):					**15-18**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/23/15**	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0467	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0467	U
91-20-3	Naphthalene	12	100	12	0.0467	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0467	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0467	U
85-01-8	Phenanthrene	1000	100	100	**0.462**	
108-95-2	Phenol	0.33	100	0.33	0.0467	U
129-00-0	Pyrene	1000	100	100	**0.531**	
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	**0.108**	
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**7830**	
7440-36-0	Antimony	NA	NA	NA	5.61	U
7440-38-2	Arsenic	16	16	13	**2.77**	
7440-39-3	Barium	820	400	350	**60.3**	
7440-41-7	Beryllium	47	72	7.2	0.701	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.701	U
7440-70-2	Calcium	NA	NA	NA	**12900**	
7440-47-3	Chromium	NA	NA	NA	**16.1**	
7440-48-4	Cobalt	NA	NA	NA	7.01	U
7440-50-8	Copper	1720	270	50	**24.4**	
7439-89-6	Iron	NA	NA	NA	**13800**	
7439-92-1	Lead	450	400	63	**48.5**	
7439-95-4	Magnesium	NA	NA	NA	**8720**	
7439-96-5	Manganese	2000	2000	1600	**319**	
7440-02-0	Nickel	130	310	30	**10.5**	
9/7/7440	Potassium	NA	NA	NA	**1640**	
7782-49-2	Selenium	4	180	3.9	2.81	U
7440-22-4	Silver	8.3	180	2	0.701	U
7440-23-5	Sodium	NA	NA	NA	**209**	
7440-28-0	Thallium	NA	NA	NA	2.10	U
7440-62-2	Vanadium	NA	NA	NA	**22.0**	
7440-66-6	Zinc	2480	10000	109	**64.4**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00140	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00140	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00140	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00140	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00140	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00140	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00140	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00140	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00140	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00140	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00140	U

Table 12
Endpoint Sample Results Summary
December 23, 2015 (EP-18)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502323					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502323-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-18**	
Sample Depth (feet below grade surface):					**15-18**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/23/15**	
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00140	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00140	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00140	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00140	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00140	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00140	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00140	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00140	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00140	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00140	U
78-93-3	2-Butanone	0.12	100	0.12	0.00140	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00140	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00140	U
591-78-6	2-Hexanone	NA	NA	NA	0.00140	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00140	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00140	U
67-64-1	Acetone	0.05	100	0.05	**0.0208**	
107-02-8	Acrolein	NA	NA	NA	0.00842	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00281	U
71-43-2	Benzene	0.06	4.8	0.06	0.00140	U
108-86-1	Bromobenzene	NA	NA	NA	0.00140	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00140	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00140	U
75-25-2	Bromoform	NA	NA	NA	0.00140	U
74-83-9	Bromomethane	NA	NA	NA	0.00140	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00140	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00140	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00140	U
75-00-3	Chloroethane	NA	NA	NA	0.00140	U
67-66-3	Chloroform	0.37	49	0.37	0.00140	U
74-87-3	Chloromethane	NA	NA	NA	0.00140	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00140	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00140	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00140	U
74-95-3	Dibromomethane	NA	NA	NA	0.00140	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00140	U
100-41-4	Ethylbenzene	1	41	1	0.00140	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00140	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00140	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	0.00281	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00140	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00140	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00140	U
95-47-6	o-Xylene	0.8	50	0.13	0.00281	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	**0.00173**	J

Table 12
Endpoint Sample Results Summary
December 23, 2015 (EP-18)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502323					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502323-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-18**	
Sample Depth (feet below grade surface):					**15-18**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/23/15**	
135-98-8	sec-Butylbenzene	11	100	11	0.00140	U
100-42-5	Styrene	NA	NA	NA	0.00140	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00140	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00140	U
108-88-3	Toluene	0.7	100	0.7	0.00140	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00140	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00140	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00140	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00140	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00140	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00140	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**71.3**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.81	U
	Cyanide (total)	40	27	27	1.40	U
16065-83-1	Trivalent Chromium	NA	180	30	**16.1**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
No compounds were detected at concentrations exceeding the NYURU, NYRRES, or NYPGW
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 13
Endpoint Sample Results Summary
December 28, 2015 (EP-19)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502333					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502333-01**	
Sample Depth (feet below grade surface):					**16-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-19**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/28/15**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00168	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00168	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00168	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000835	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000835	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000835	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0210	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0210	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0210	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0210	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0210	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0210	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0210	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0210	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0210	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000835	U
319-86-8	delta-BHC	0.25	100	0.04	0.000835	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00168	U
959-98-8	Endosulfan I	102	24	2.4	0.000835	U
33213-65-9	Endosulfan II	102	24	2.4	0.00168	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00168	U
72-20-8	Endrin	0.06	11	0.014	0.00168	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00168	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00168	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000835	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000835	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000835	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000835	U
72-43-5	Methoxychlor	NA	NA	NA	0.00253	U
8001-35-2	Toxaphene	NA	NA	NA	0.0422	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0422	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0422	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0422	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0422	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0422	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0422	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0422	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0422	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0422	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0422	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0422	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0422	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0422	U

Table 13
Endpoint Sample Results Summary
December 28, 2015 (EP-19)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502333					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502333-01**	
Sample Depth (feet below grade surface):					**16-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-19**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/28/15**	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0422	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0422	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0422	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0422	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0422	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.105	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0422	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0422	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0422	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0422	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0422	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0422	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0422	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0422	U
83-32-9	Acenaphthene	98	100	20	0.0422	U
208-96-8	Acenaphthylene	107	100	100	0.0422	U
120-12-7	Anthracene	1000	100	100	0.0422	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0422	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0422	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0422	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0422	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0422	U
65-85-0	Benzoic acid	NA	NA	NA	0.105	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0422	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0422	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0422	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0422	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0422	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0422	U
218-01-9	Chrysene	1	3.9	1	0.0422	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0422	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0422	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0422	U
132-64-9	Dibenzofuran	210	59	7	0.0422	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0422	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0422	U
206-44-0	Fluoranthene	1000	100	100	0.0422	U
86-73-7	Fluorene	386	100	30	0.0422	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0422	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0422	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0422	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0422	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0422	U
78-59-1	Isophorone	NA	NA	NA	0.0422	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0422	U

Table 13
Endpoint Sample Results Summary
December 28, 2015 (EP-19)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502333					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502333-01**	
Sample Depth (feet below grade surface):					**16-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-19**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/28/15**	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0422	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0422	U
91-20-3	Naphthalene	12	100	12	0.0422	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0422	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0422	U
85-01-8	Phenanthrene	1000	100	100	0.0422	U
108-95-2	Phenol	0.33	100	0.33	0.0422	U
129-00-0	Pyrene	1000	100	100	0.0422	U
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.0949	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**8440**	
7440-36-0	Antimony	NA	NA	NA	5.06	U
7440-38-2	Arsenic	16	16	13	**1.85**	
7440-39-3	Barium	820	400	350	**39.1**	
7440-41-7	Beryllium	47	72	7.2	0.633	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.633	U
7440-70-2	Calcium	NA	NA	NA	**1630**	
7440-47-3	Chromium	NA	NA	NA	**13.6**	
7440-48-4	Cobalt	NA	NA	NA	**8.24**	
7440-50-8	Copper	1720	270	50	**13.3**	
7439-89-6	Iron	NA	NA	NA	**12200**	
7439-92-1	Lead	450	400	63	**8.20**	
7439-95-4	Magnesium	NA	NA	NA	**4060**	
7439-96-5	Manganese	2000	2000	1600	**98.8**	
7440-02-0	Nickel	130	310	30	**15.2**	
2023-69-5	Potassium	NA	NA	NA	**994**	
7782-49-2	Selenium	4	180	3.9	2.53	U
7440-22-4	Silver	8.3	180	2	0.633	U
7440-23-5	Sodium	NA	NA	NA	**124**	
7440-28-0	Thallium	NA	NA	NA	1.90	U
7440-62-2	Vanadium	NA	NA	NA	**12.7**	
7440-66-6	Zinc	2480	10000	109	**45.5**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00181	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00181	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00181	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00181	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00181	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00181	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00181	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00181	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00181	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00181	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00181	U

Table 13
Endpoint Sample Results Summary
December 28, 2015 (EP-19)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502333					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502333-01**	
Sample Depth (feet below grade surface):					**16-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-19**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/28/15**	
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00181	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00181	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00181	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00181	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00181	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00181	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00181	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00181	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00181	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00181	U
78-93-3	2-Butanone	0.12	100	0.12	0.00181	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00181	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00181	U
591-78-6	2-Hexanone	NA	NA	NA	0.00181	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00181	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00181	U
67-64-1	Acetone	0.05	100	0.05	**0.00922**	
107-02-8	Acrolein	NA	NA	NA	0.0108	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00362	U
71-43-2	Benzene	0.06	4.8	0.06	0.00181	U
108-86-1	Bromobenzene	NA	NA	NA	0.00181	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00181	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00181	U
75-25-2	Bromoform	NA	NA	NA	0.00181	U
74-83-9	Bromomethane	NA	NA	NA	0.00181	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00181	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00181	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00181	U
75-00-3	Chloroethane	NA	NA	NA	0.00181	U
67-66-3	Chloroform	0.37	49	0.37	0.00181	U
74-87-3	Chloromethane	NA	NA	NA	0.00181	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00181	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00181	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00181	U
74-95-3	Dibromomethane	NA	NA	NA	0.00181	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00181	U
100-41-4	Ethylbenzene	1	41	1	0.00181	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00181	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00181	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	0.00362	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00181	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00181	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00181	U
95-47-6	o-Xylene	0.8	50	0.13	0.00362	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00181	U

Table 13
Endpoint Sample Results Summary
December 28, 2015 (EP-19)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1502333					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1502333-01**	
Sample Depth (feet below grade surface):					**16-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street, Bronx, NY					**EP-19**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/28/15**	
135-98-8	sec-Butylbenzene	11	100	11	0.00181	U
100-42-5	Styrene	NA	NA	NA	0.00181	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00181	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00181	U
108-88-3	Toluene	0.7	100	0.7	0.00181	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00181	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00181	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00181	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00181	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00181	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00181	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**79.0**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.53	U
	Cyanide (total)	40	27	27	1.27	U
16065-83-1	Trivalent Chromium	NA	180	30	**13.6**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
No compounds were detected a concentrations exceeding the NYURU, NYRRES, or NYPGW
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 14
Endpoint Sample Results Summary
February 10, 2015 (EP-20)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1600232					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1600232-01		1600232-01RE1	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					EP-20		EP-20	
Sample Depth (feet below grade surface):					9.5		9.5	
CAS#	Compound	NYPGW	NYRRES	NYURU	02/10/16		02/10/16	
EPA Method SW846 8081/8082 (mg/kg)								
72-54-8	4,4'-DDD	14	13	0.0033	0.00160	U	~	
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00160	U	~	
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00160	U	~	
309-00-2	Aldrin	0.19	0.097	0.005	0.000795	U	~	
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000795	U	~	
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000795	U	~	
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0200	U	~	
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0200	U	~	
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0200	U	~	
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0200	U	~	
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0200	U	~	
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0200	U	~	
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0200	U	~	
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0200	U	~	
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0200	U	~	
319-85-7	beta-BHC	0.09	0.36	0.036	0.000795	U	~	
319-86-8	delta-BHC	0.25	100	0.04	0.000795	U	~	
60-57-1	Dieldrin	0.1	0.2	0.005	0.00160	U	~	
959-98-8	Endosulfan I	102	24	2.4	0.000795	U	~	
33213-65-9	Endosulfan II	102	24	2.4	0.00160	U	~	
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00160	U	~	
72-20-8	Endrin	0.06	11	0.014	0.00160	U	~	
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00160	U	~	
53494-70-5	Endrin ketone	NA	NA	NA	0.00160	U	~	
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000795	U	~	
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000795	U	~	
76-44-8	Heptachlor	0.38	2.1	0.042	0.000795	U	~	
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000795	U	~	
72-43-5	Methoxychlor	NA	NA	NA	0.00241	U	~	
8001-35-2	Toxaphene	NA	NA	NA	0.0401	U	~	
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)								
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0401	U	~	
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0401	U	~	
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0401	U	~	
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0401	U	~	
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0401	U	~	
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0401	U	~	
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0401	U	~	
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0401	U	~	
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0401	U	~	
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0401	U	~	
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0401	U	~	
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0401	U	~	
95-57-8	2-Chlorophenol	NA	NA	NA	0.0401	U	~	

Table 14
Endpoint Sample Results Summary
February 10, 2015 (EP-20)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1600232					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1600232-01		1600232-01RE1	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					EP-20		EP-20	
Sample Depth (feet below grade surface):					9.5		9.5	
CAS#	Compound	NYPGW	NYRRES	NYURU	02/10/16		02/10/16	
91-57-6	2-Methylnaphthylene	NA	NA	NA	**4.05**		~	
95-48-7	2-Methylphenol	0.33	100	0.33	0.0401	U	~	
88-74-4	2-Nitroaniline	NA	NA	NA	0.0401	U	~	
88-75-5	2-Nitrophenol	NA	NA	NA	0.0401	U	~	
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0401	U	~	
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.100	U	~	
99-09-2	3-Nitroaniline	NA	NA	NA	0.0401	U	~	
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0401	U	~	
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0401	U	~	
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0401	U	~	
106-47-8	4-Chloroaniline	NA	NA	NA	0.0401	U	~	
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0401	U	~	
100-01-6	4-Nitroaniline	NA	NA	NA	0.0401	U	~	
100-02-7	4-Nitrophenol	NA	NA	NA	0.0401	U	~	
83-32-9	Acenaphthene	98	100	20	0.0401	U	~	
208-96-8	Acenaphthylene	107	100	100	0.0401	U	~	
120-12-7	Anthracene	1000	100	100	0.0401	U	~	
56-55-3	Benzo[a]anthracene	1	1	1	0.0401	U	~	
50-32-8	Benzo[a]pyrene	22	1	1	0.0401	U	~	
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0401	U	~	
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0401	U	~	
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0401	U	~	
65-85-0	Benzoic acid	NA	NA	NA	0.100	U	~	
100-51-6	Benzyl alcohol	NA	NA	NA	0.0401	U	~	
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0401	U	~	
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0401	U	~	
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0401	U	~	
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0401	U	~	
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0401	U	~	
218-01-9	Chrysene	1	3.9	1	0.0401	U	~	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0401	U	~	
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0401	U	~	
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0401	U	~	
132-64-9	Dibenzofuran	210	59	7	0.0401	U	~	
84-66-2	Diethyl phthalate	NA	NA	NA	0.0401	U	~	
131-11-3	Dimethylphthalate	NA	NA	NA	0.0401	U	~	
206-44-0	Fluoranthene	1000	100	100	0.0401	U	~	
86-73-7	Fluorene	386	100	30	**0.490**		~	
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0401	U	~	
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0401	U	~	
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0401	U	~	
67-72-1	Hexachloroethane	NA	NA	NA	0.0401	U	~	
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0401	U	~	
78-59-1	Isophorone	NA	NA	NA	0.0401	U	~	
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0401	U	~	

Table 14
Endpoint Sample Results Summary
February 10, 2015 (EP-20)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1600232					**Result**	**Q**	**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1600232-01**		**1600232-01RE1**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-20**		**EP-20**	
Sample Depth (feet below grade surface):					**9.5**		**9.5**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**02/10/16**		**02/10/16**	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0401	U	~	
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0401	U	~	
91-20-3	Naphthalene	12	100	12	**2.43**		~	
98-95-3	Nitrobenzene	NA	NA	NA	0.0401	U	~	
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0401	U	~	
85-01-8	Phenanthrene	1000	100	100	**0.964**		~	
108-95-2	Phenol	0.33	100	0.33	0.0401	U	~	
129-00-0	Pyrene	1000	100	100	**0.396**		~	
Total Mercury by SW846 7471 (mg/kg)								
7439-97-6	Mercury	0.73	0.81	0.18	0.0904	U	~	
Total Metals by EPA Method SW846 6010 (mg/kg)								
7429-90-5	Aluminum	NA	NA	NA	**9020**		~	
7440-36-0	Antimony	NA	NA	NA	4.82	U	~	
7440-38-2	Arsenic	16	16	13	**1.91**		~	
7440-39-3	Barium	820	400	350	**54.5**		~	
7440-41-7	Beryllium	47	72	7.2	0.602	U	~	
7440-43-9	Cadmium	7.5	4.3	2.5	0.602	U	~	
7440-70-2	Calcium	NA	NA	NA	**2410**		~	
7440-47-3	Chromium	NA	NA	NA	**19.4**		~	
7440-48-4	Cobalt	NA	NA	NA	**9.45**		~	
7440-50-8	Copper	1720	270	50	**18.0**		~	
7439-89-6	Iron	NA	NA	NA	**13500**		~	
7439-92-1	Lead	450	400	63	**9.03**		~	
7439-95-4	Magnesium	NA	NA	NA	**4150**		~	
7439-96-5	Manganese	2000	2000	1600	**297**		~	
7440-02-0	Nickel	130	310	30	**15.6**		~	
9/7/7440	Potassium	NA	NA	NA	**2190**		~	
7782-49-2	Selenium	4	180	3.9	2.41	U	~	
7440-22-4	Silver	8.3	180	2	0.602	U	~	
7440-23-5	Sodium	NA	NA	NA	**129**		~	
7440-28-0	Thallium	NA	NA	NA	1.81	U	~	
7440-62-2	Vanadium	NA	NA	NA	**27.6**		~	
7440-66-6	Zinc	2480	10000	109	**46.6**		~	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)								
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.241	U	1.20	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.241	U	1.20	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.241	U	1.20	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.241	U	1.20	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.241	U	1.20	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.241	U	1.20	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.241	U	1.20	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.241	U	1.20	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.241	U	1.20	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.241	U	1.20	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	3.6	**112**	DE	**131**	D

Table 14
Endpoint Sample Results Summary
February 10, 2015 (EP-20)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1600232					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1600232-01		1600232-01RE1	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					EP-20		EP-20	
Sample Depth (feet below grade surface):					9.5		9.5	
CAS#	Compound	NYPGW	NYRRES	NYURU	02/10/16		02/10/16	
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.241	U	1.20	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.241	U	1.20	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.241	U	1.20	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.241	U	1.20	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.241	U	1.20	U
108-67-8	1,3,5-Trimethylbenzene	8.4	52	8.4	35.1	D	38.3	D
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.241	U	1.20	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.241	U	1.20	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.241	U	1.20	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.241	U	1.20	U
78-93-3	2-Butanone	0.12	100	0.12	0.241	U	1.20	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.241	U	1.20	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.241	U	1.20	U
591-78-6	2-Hexanone	NA	NA	NA	0.241	U	1.20	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.241	U	1.20	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.241	U	1.20	U
67-64-1	Acetone	0.05	100	0.05	0.241	U	1.20	U
107-02-8	Acrolein	NA	NA	NA	1.45	U	7.23	U
107-13-1	Acrylonitrile	NA	NA	NA	0.482	U	2.41	U
71-43-2	Benzene	0.06	4.8	0.06	0.798	D	1.20	U
108-86-1	Bromobenzene	NA	NA	NA	0.241	U	1.20	U
74-97-5	Bromochloromethane	NA	NA	NA	0.241	U	1.20	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.241	U	1.20	U
75-25-2	Bromoform	NA	NA	NA	0.241	U	1.20	U
74-83-9	Bromomethane	NA	NA	NA	0.241	U	1.20	U
75-15-0	Carbon disulfide	NA	NA	NA	0.241	U	1.20	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.241	U	1.20	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.241	U	1.20	U
75-00-3	Chloroethane	NA	NA	NA	0.241	U	1.20	U
67-66-3	Chloroform	0.37	49	0.37	0.241	U	1.20	U
74-87-3	Chloromethane	NA	NA	NA	0.241	U	1.20	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.241	U	1.20	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.241	U	1.20	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.241	U	1.20	U
74-95-3	Dibromomethane	NA	NA	NA	0.241	U	1.20	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.241	U	1.20	U
100-41-4	Ethylbenzene	1	41	1	20.4	D	20.4	D
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.241	U	1.20	U
98-82-8	Isopropylbenzene	NA	NA	NA	**5.92**	D	**6.60**	D
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	83.6	D	82.0	D
75-09-2	Methylene Chloride	0.05	100	0.05	0.241	U	1.20	U
104-51-8	n-Butyl Benzene	NA	NA	12	16.5	D	18.4	D
103-65-1	n-Propyl Benzene	NA	NA	NA	**19.4**	D	**20.6**	D
95-47-6	o-Xylene	0.8	50	0.13	42.3	D	41.8	D
99-87-6	p-Isopropyltoluene	NA	NA	NA	**4.54**	D	**4.80**	D

Table 14
Endpoint Sample Results Summary
February 10, 2015 (EP-20)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1600232					**Result**	**Q**	**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1600232-01**		**1600232-01RE1**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-20**		**EP-20**	
Sample Depth (feet below grade surface):					**9.5**		**9.5**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**02/10/16**		**02/10/16**	
135-98-8	sec-Butylbenzene	11	100	11	**7.65**	D	**8.72**	D
100-42-5	Styrene	NA	NA	NA	0.241	U	1.20	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.241	U	1.20	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.241	U	1.20	U
108-88-3	Toluene	0.7	100	0.7	**11.7**	D	**11.3**	D
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.241	U	1.20	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.241	U	1.20	U
79-01-6	Trichloroethene	0.47	21	0.47	0.241	U	1.20	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.241	U	1.20	U
108-05-4	Vinyl acetate	NA	NA	NA	0.241	U	1.20	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.241	U	1.20	U
Wet Chemistry (%)								
	Percent Solids	NA	NA	NA	**83.0**		~	
Wet Chemistry (mg/kg)								
1854-02-99	Chromium, Hexavalent	19	110	1	2.41	U	~	
	Cyanide (total)	40	27	27	1.20	U	~	
16065-83-1	Trivalent Chromium	NA	NA	NA	**19.4**		~	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted yellow = exceeds NYPGW
Underlined = exceeds NYRRES
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 15
Endpoint Sample Results Summary
July 21, 2016 (EP-21)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601375					Result	Q
Lab: Accredited Analytical Resources LLC					**1601375-01**	
Sample Depth (feet below grade surface):					**15-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-21**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/21/16**	
	Depth (feet below grade surface):				**18**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00164	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00164	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00164	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000815	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000815	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000815	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0205	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0205	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0205	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0205	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0205	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0205	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0205	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0205	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0205	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000815	U
319-86-8	delta-BHC	0.25	100	0.04	0.000815	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00164	U
959-98-8	Endosulfan I	102	24	2.4	0.000815	U
33213-65-9	Endosulfan II	102	24	2.4	0.00164	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00164	U
72-20-8	Endrin	0.06	11	0.014	0.00164	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00164	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00164	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000815	U
5566-34-7	gamma-Chlordane	NA	NA	NA	**0.0137**	
76-44-8	Heptachlor	0.38	2.1	0.042	0.000815	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000815	U
72-43-5	Methoxychlor	NA	NA	NA	0.00247	U
8001-35-2	Toxaphene	NA	NA	NA	0.0411	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0411	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0411	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0411	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0411	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0411	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0411	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0411	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0411	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0411	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0411	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0411	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0411	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0411	U

Table 15
Endpoint Sample Results Summary
July 21, 2016 (EP-21)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601375					Result	Q
Lab: Accredited Analytical Resources LLC					**1601375-01**	
Sample Depth (feet below grade surface):					**15-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-21**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/21/16**	
91-57-6	2-Methylnaphthylene	NA	NA	NA	**0.0477**	J
95-48-7	2-Methylphenol	0.33	100	0.33	0.0411	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0411	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0411	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0411	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.102	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0411	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0411	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0411	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0411	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0411	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0411	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0411	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0411	U
83-32-9	Acenaphthene	98	100	20	**0.151**	J
208-96-8	Acenaphthylene	107	100	100	**0.0613**	J
120-12-7	Anthracene	1000	100	100	**0.351**	
56-55-3	Benzo[a]anthracene	1	1	1	**0.811**	
50-32-8	Benzo[a]pyrene	22	1	1	**0.759**	
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**1.18**	
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.189**	J
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.505**	
65-85-0	Benzoic acid	NA	NA	NA	0.102	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0411	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0411	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0411	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0411	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	**0.0685**	J
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0411	U
218-01-9	Chrysene	1	3.9	1	**0.822**	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0411	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0411	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	**0.0692**	J
132-64-9	Dibenzofuran	210	59	7	**0.0962**	J
84-66-2	Diethyl phthalate	NA	NA	NA	0.0411	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0411	U
206-44-0	Fluoranthene	1000	100	100	**1.76**	
86-73-7	Fluorene	386	100	30	**0.162**	J
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0411	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0411	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0411	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0411	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.189**	J
78-59-1	Isophorone	NA	NA	NA	0.0411	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0411	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0411	U

Table 15
Endpoint Sample Results Summary
July 21, 2016 (EP-21)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601375					Result	Q
Lab: Accredited Analytical Resources LLC					**1601375-01**	
Sample Depth (feet below grade surface):					**15-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-21**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/21/16**	
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0411	U
91-20-3	Naphthalene	12	100	12	**0.0653**	J
98-95-3	Nitrobenzene	NA	NA	NA	0.0411	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0411	U
85-01-8	Phenanthrene	1000	100	100	**1.51**	
108-95-2	Phenol	0.33	100	0.33	0.0411	U
129-00-0	Pyrene	1000	100	100	**2.12**	
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	**0.131**	
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**8930**	
7440-36-0	Antimony	NA	NA	NA	4.85	U
7440-38-2	Arsenic	16	16	13	**2.98**	
7440-39-3	Barium	820	400	350	**70.3**	
7440-41-7	Beryllium	47	72	7.2	0.606	U
7440-43-9	Cadmium	7.5	4.3	2.5	**0.905**	
7440-70-2	Calcium	NA	NA	NA	**34600**	D
7440-47-3	Chromium	NA	NA	NA	**29.2**	
7440-48-4	Cobalt	NA	NA	NA	**7.51**	
7440-50-8	Copper	1720	270	50	**39.3**	
7439-89-6	Iron	NA	NA	NA	**19000**	
7439-92-1	Lead	450	400	63	**87.7**	
7439-95-4	Magnesium	NA	NA	NA	**14800**	
7439-96-5	Manganese	2000	2000	1600	**392**	
7440-02-0	Nickel	130	310	30	**16.0**	
7440-09-7	Potassium	NA	NA	NA	**1570**	
7782-49-2	Selenium	4	180	3.9	2.43	U
7440-22-4	Silver	8.3	180	2	0.606	U
7440-23-5	Sodium	NA	NA	NA	**309**	
7440-28-0	Thallium	NA	NA	NA	1.82	U
7440-62-2	Vanadium	NA	NA	NA	**24.4**	
7440-66-6	Zinc	2480	10000	109	**92.0**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00130	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00130	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00130	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00130	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00130	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00130	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00130	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00130	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00130	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00130	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00130	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00130	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00130	U

Table 15
Endpoint Sample Results Summary
July 21, 2016 (EP-21)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601375					Result	Q
Lab: Accredited Analytical Resources LLC					**1601375-01**	
Sample Depth (feet below grade surface):					**15-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-21**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/21/16**	
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00130	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00130	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00130	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00130	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00130	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00130	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00130	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00130	U
78-93-3	2-Butanone	0.12	100	0.12	0.00130	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00130	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00130	U
591-78-6	2-Hexanone	NA	NA	NA	0.00130	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00130	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00130	U
67-64-1	Acetone	0.05	100	0.05	0.00130	U
107-02-8	Acrolein	NA	NA	NA	0.00778	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00259	U
71-43-2	Benzene	0.06	4.8	0.06	0.00130	U
108-86-1	Bromobenzene	NA	NA	NA	0.00130	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00130	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00130	U
75-25-2	Bromoform	NA	NA	NA	0.00130	U
74-83-9	Bromomethane	NA	NA	NA	0.00130	U
75-15-0	Carbon disulfide	NA	NA	NA	**0.00210**	J
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00130	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00130	U
75-00-3	Chloroethane	NA	NA	NA	0.00130	U
67-66-3	Chloroform	0.37	49	0.37	0.00130	U
74-87-3	Chloromethane	NA	NA	NA	0.00130	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00130	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00130	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00130	U
74-95-3	Dibromomethane	NA	NA	NA	0.00130	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00130	U
100-41-4	Ethylbenzene	1	41	1	0.00130	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00130	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00130	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	0.00259	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00130	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00130	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00130	U
95-47-6	o-Xylene	0.8	50	0.13	0.00259	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00130	U
135-98-8	sec-Butylbenzene	11	100	11	0.00130	U
100-42-5	Styrene	NA	NA	NA	0.00130	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00130	U

Table 15
Endpoint Sample Results Summary
July 21, 2016 (EP-21)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601375					Result	Q
Lab: Accredited Analytical Resources LLC					**1601375-01**	
Sample Depth (feet below grade surface):					**15-18**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-21**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/21/16**	
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00130	U
108-88-3	Toluene	0.7	100	0.7	0.00130	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00130	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00130	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00130	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00130	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00130	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00130	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**81.0**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.47	U
	Cyanide (total)	40	27	27	1.23	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**29.2**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Underlined = exceeds NYRRES
~ = compound was not analyzed
NA = No applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 16
Endpoint Sample Results Summary
July 28, 2016 (EP-22)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601418					Result	Q
Lab: Accredited Analytical Resources LLC					**1601418-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138 Street					**EP-22**	
Sample Deph (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/28/16**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00149	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00149	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00149	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000740	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000740	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000740	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0186	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0186	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0186	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0186	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0186	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0186	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0186	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0186	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0186	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000740	U
319-86-8	delta-BHC	0.25	100	0.04	0.000740	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00149	U
959-98-8	Endosulfan I	102	24	2.4	0.000740	U
33213-65-9	Endosulfan II	102	24	2.4	0.00149	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00149	U
72-20-8	Endrin	0.06	11	0.014	0.00149	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00149	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00149	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000740	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000740	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000740	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000740	U
72-43-5	Methoxychlor	NA	NA	NA	0.00224	U
8001-35-2	Toxaphene	NA	NA	NA	0.0373	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0373	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0373	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0373	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0373	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0373	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0373	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0373	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0373	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0373	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0373	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0373	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0373	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0373	U

Table 16
Endpoint Sample Results Summary
July 28, 2016 (EP-22)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601418					Result	Q
Lab: Accredited Analytical Resources LLC					**1601418-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138 Street					**EP-22**	
Sample Deph (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/28/16**	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0373	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0373	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0373	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0373	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0373	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0930	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0373	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0373	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0373	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0373	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0373	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0373	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0373	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0373	U
83-32-9	Acenaphthene	98	100	20	0.0373	U
208-96-8	Acenaphthylene	107	100	100	0.0373	U
120-12-7	Anthracene	1000	100	100	0.0373	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0373	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0373	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0373	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0373	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0373	U
65-85-0	Benzoic acid	NA	NA	NA	0.0930	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0373	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0373	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0373	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0373	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0373	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0373	U
218-01-9	Chrysene	1	3.9	1	0.0373	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0373	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0373	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0373	U
132-64-9	Dibenzofuran	210	59	7	0.0373	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0373	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0373	U
206-44-0	Fluoranthene	1000	100	100	0.0373	U
86-73-7	Fluorene	386	100	30	0.0373	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0373	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0373	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0373	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0373	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0373	U
78-59-1	Isophorone	NA	NA	NA	0.0373	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0373	U

Table 16
Endpoint Sample Results Summary
July 28, 2016 (EP-22)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601418					Result	Q
Lab: Accredited Analytical Resources LLC					**1601418-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138 Street					**EP-22**	
Sample Deph (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/28/16**	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0373	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0373	U
91-20-3	Naphthalene	12	100	12	0.0373	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0373	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0373	U
85-01-8	Phenanthrene	1000	100	100	0.0373	U
108-95-2	Phenol	0.33	100	0.33	0.0373	U
129-00-0	Pyrene	1000	100	100	0.0373	U
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.0841	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**6740**	
7440-36-0	Antimony	NA	NA	NA	4.48	U
7440-38-2	Arsenic	16	16	13	1.12	U
7440-39-3	Barium	820	400	350	**39.4**	
7440-41-7	Beryllium	47	72	7.2	0.561	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.561	U
7440-70-2	Calcium	NA	NA	NA	**47200**	D
7440-47-3	Chromium	NA	NA	NA	**15.4**	
7440-48-4	Cobalt	NA	NA	NA	**6.21**	
7440-50-8	Copper	1720	270	50	**13.1**	
7439-89-6	Iron	NA	NA	NA	**12100**	
7439-92-1	Lead	450	400	63	**6.79**	
7439-95-4	Magnesium	NA	NA	NA	**29100**	
7439-96-5	Manganese	2000	2000	1600	**515**	
7440-02-0	Nickel	130	310	30	**10.7**	
7440-09-7	Potassium	NA	NA	NA	**1890**	
7782-49-2	Selenium	4	180	3.9	2.24	U
7440-22-4	Silver	8.3	180	2	0.561	U
7440-23-5	Sodium	NA	NA	NA	**166**	
7440-28-0	Thallium	NA	NA	NA	1.68	U
7440-62-2	Vanadium	NA	NA	NA	**24.5**	
7440-66-6	Zinc	2480	10000	109	**36.8**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00104	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00104	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00104	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00104	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00104	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00104	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00104	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00104	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00104	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00104	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00104	U

Table 16
Endpoint Sample Results Summary
July 28, 2016 (EP-22)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601418					Result	Q
Lab: Accredited Analytical Resources LLC					**1601418-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138 Street					**EP-22**	
Sample Deph (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/28/16**	
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00104	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00104	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00104	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00104	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00104	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00104	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00104	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00104	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00104	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00104	U
78-93-3	2-Butanone	0.12	100	0.12	**0.00219**	
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00104	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00104	U
591-78-6	2-Hexanone	NA	NA	NA	0.00104	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00104	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00104	U
67-64-1	Acetone	0.05	100	0.05	**0.00516**	
107-02-8	Acrolein	NA	NA	NA	0.00622	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00207	U
71-43-2	Benzene	0.06	4.8	0.06	0.00104	U
108-86-1	Bromobenzene	NA	NA	NA	0.00104	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00104	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00104	U
75-25-2	Bromoform	NA	NA	NA	0.00104	U
74-83-9	Bromomethane	NA	NA	NA	0.00104	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00104	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00104	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00104	U
75-00-3	Chloroethane	NA	NA	NA	0.00104	U
67-66-3	Chloroform	0.37	49	0.37	0.00104	U
74-87-3	Chloromethane	NA	NA	NA	0.00104	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00104	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00104	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00104	U
74-95-3	Dibromomethane	NA	NA	NA	0.00104	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00104	U
100-41-4	Ethylbenzene	1	41	1	0.00104	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00104	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00104	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	0.00207	U
75-09-2	Methylene Chloride	0.05	100	0.05	**0.00344**	B
104-51-8	n-Butyl Benzene	NA	NA	12	0.00104	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00104	U
95-47-6	o-Xylene	0.8	50	0.13	0.00207	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00104	U

Table 16
Endpoint Sample Results Summary
July 28, 2016 (EP-22)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601418					Result	Q
Lab: Accredited Analytical Resources LLC					**1601418-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138 Street					**EP-22**	
Sample Deph (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**07/28/16**	
135-98-8	sec-Butylbenzene	11	100	11	0.00104	U
100-42-5	Styrene	NA	NA	NA	0.00104	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00104	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00104	U
108-88-3	Toluene	0.7	100	0.7	0.00104	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00104	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00104	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00104	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00104	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00104	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00104	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**89.2**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.24	U
	Cyanide (total)	40	27	27	1.12	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**15.4**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
No compounds were detected at concentrations exceeding the NYURU, NYRRES, or NYPGW
~ = compound was not analyzed
NA = No applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 17
Endpoint Sample Results Summary
August 1, 2016 (EP-23)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601448					Result	Q
Lab: Accredited Analytical Resources LLC					**1601448-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-23**	
Sample Depth (feet below grade surface):					**8-9**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/01/16**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00156	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00156	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00156	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000776	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000776	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000776	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0195	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0195	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0195	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0195	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0195	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0195	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0195	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0195	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0195	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000776	U
319-86-8	delta-BHC	0.25	100	0.04	0.000776	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00156	U
959-98-8	Endosulfan I	102	24	2.4	0.000776	U
33213-65-9	Endosulfan II	102	24	2.4	0.00156	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00156	U
72-20-8	Endrin	0.06	11	0.014	0.00156	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00156	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00156	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000776	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000776	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000776	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000776	U
72-43-5	Methoxychlor	NA	NA	NA	0.00235	U
8001-35-2	Toxaphene	NA	NA	NA	0.0391	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0391	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0391	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0391	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0391	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0391	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0391	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0391	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0391	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0391	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0391	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0391	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0391	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0391	U

Table 17
Endpoint Sample Results Summary
August 1, 2016 (EP-23)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601448					Result	Q
Lab: Accredited Analytical Resources LLC					**1601448-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-23**	
Sample Depth (feet below grade surface):					**8-9**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/01/16**	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0391	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0391	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0391	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0391	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0391	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0975	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0391	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0391	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0391	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0391	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0391	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0391	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0391	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0391	U
83-32-9	Acenaphthene	98	100	20	0.0391	U
208-96-8	Acenaphthylene	107	100	100	0.0391	U
120-12-7	Anthracene	1000	100	100	0.0391	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0391	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0391	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0391	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0391	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0391	U
65-85-0	Benzoic acid	NA	NA	NA	0.0975	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0391	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0391	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0391	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0391	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0498	J
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0391	U
218-01-9	Chrysene	1	3.9	1	0.0391	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0391	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0391	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0391	U
132-64-9	Dibenzofuran	210	59	7	0.0391	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0391	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0391	U
206-44-0	Fluoranthene	1000	100	100	0.0391	U
86-73-7	Fluorene	386	100	30	0.0391	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0391	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0391	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0391	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0391	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0391	U
78-59-1	Isophorone	NA	NA	NA	0.0391	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0391	U

Table 17
Endpoint Sample Results Summary
August 1, 2016 (EP-23)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601448					Result	Q
Lab: Accredited Analytical Resources LLC					**1601448-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-23**	
Sample Depth (feet below grade surface):					**8-9**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/01/16**	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0391	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0391	U
91-20-3	Naphthalene	12	100	12	0.0391	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0391	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0391	U
85-01-8	Phenanthrene	1000	100	100	0.0391	U
108-95-2	Phenol	0.33	100	0.33	0.0391	U
129-00-0	Pyrene	1000	100	100	0.0391	U
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.0881	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**7880**	
7440-36-0	Antimony	NA	NA	NA	3.13	U
7440-38-2	Arsenic	16	16	13	1.46	
7440-39-3	Barium	820	400	350	**47.0**	
7440-41-7	Beryllium	47	72	7.2	0.391	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.391	U
7440-70-2	Calcium	NA	NA	NA	**5810**	
7440-47-3	Chromium	NA	NA	NA	**15.3**	
7440-48-4	Cobalt	NA	NA	NA	**6.79**	
7440-50-8	Copper	1720	270	50	**16.9**	
7439-89-6	Iron	NA	NA	NA	**12500**	
7439-92-1	Lead	450	400	63	**8.07**	
7439-95-4	Magnesium	NA	NA	NA	**6980**	
7439-96-5	Manganese	2000	2000	1600	**256**	
7440-02-0	Nickel	130	310	30	**13.3**	
7440-09-7	Potassium	NA	NA	NA	**1800**	
7782-49-2	Selenium	4	180	3.9	3.13	U
7440-22-4	Silver	8.3	180	2	0.391	U
7440-23-5	Sodium	NA	NA	NA	**130**	
7440-28-0	Thallium	NA	NA	NA	1.17	U
7440-62-2	Vanadium	NA	NA	NA	**25.1**	
7440-66-6	Zinc	2480	10000	109	**40.3**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00102	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00102	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00102	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00102	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00102	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00102	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00102	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00102	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00102	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00102	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00102	U

Table 17
Endpoint Sample Results Summary
August 1, 2016 (EP-23)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601448					Result	Q
Lab: Accredited Analytical Resources LLC					**1601448-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-23**	
Sample Depth (feet below grade surface):					**8-9**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/01/16**	
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00102	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00102	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00102	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00102	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00102	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00102	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00102	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00102	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00102	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00102	U
78-93-3	2-Butanone	0.12	100	0.12	0.00102	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00102	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00102	U
591-78-6	2-Hexanone	NA	NA	NA	0.00102	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00102	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00102	U
67-64-1	Acetone	0.05	100	0.05	0.00117	J
107-02-8	Acrolein	NA	NA	NA	0.00614	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00205	U
71-43-2	Benzene	0.06	4.8	0.06	0.00102	U
108-86-1	Bromobenzene	NA	NA	NA	0.00102	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00102	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00102	U
75-25-2	Bromoform	NA	NA	NA	0.00102	U
74-83-9	Bromomethane	NA	NA	NA	0.00102	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00102	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00102	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00102	U
75-00-3	Chloroethane	NA	NA	NA	0.00102	U
67-66-3	Chloroform	0.37	49	0.37	0.00102	U
74-87-3	Chloromethane	NA	NA	NA	0.00102	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00102	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00102	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00102	U
74-95-3	Dibromomethane	NA	NA	NA	0.00102	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00102	U
100-41-4	Ethylbenzene	1	41	1	0.00102	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00102	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00102	U
108-38-3/106-42-3	m,p-Xylenes	0.8	50	0.13	0.00205	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00157	JB
104-51-8	n-Butyl Benzene	NA	NA	12	0.00102	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00102	U
95-47-6	o-Xylene	0.8	50	0.13	0.00205	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00102	U

Table 17
Endpoint Sample Results Summary
August 1, 2016 (EP-23)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601448					Result	Q
Lab: Accredited Analytical Resources LLC					**1601448-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-23**	
Sample Depth (feet below grade surface):					**8-9**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/01/16**	
135-98-8	sec-Butylbenzene	11	100	11	0.00102	U
100-42-5	Styrene	NA	NA	NA	0.00102	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00102	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00102	U
108-88-3	Toluene	0.7	100	0.7	0.00102	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00102	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00102	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00102	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00102	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00102	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00102	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**85.1**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.35	U
	Cyanide (total)	40	27	27	1.18	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**15.3**	

Notes:

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)

NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)

No compounds were dected at concentrations exceeding the NYURU, NYRRES, or the NYPGW Standards

NA = No applicable standard

Bold = detected compounds

mg/kg = milligrams per kilograms

Qualifiers:

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected

Table 18
Endpoint Sample Results Summary
August 24, 2016 (EP-24)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601618					Result	Q
Lab: Accredited Analytical Resources LLC					**1601618-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-24**	
Sample Depth (feet below grade surface):					**10-11**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00161	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00161	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00161	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000801	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000801	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000801	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0201	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0201	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0201	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0201	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0201	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0201	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0201	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0201	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0201	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000801	U
319-86-8	delta-BHC	0.25	100	0.04	0.000801	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00161	U
959-98-8	Endosulfan I	102	24	2.4	0.000801	U
33213-65-9	Endosulfan II	102	24	2.4	0.00161	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00161	U
72-20-8	Endrin	0.06	11	0.014	0.00161	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00161	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00161	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000801	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000801	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000801	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000801	U
72-43-5	Methoxychlor	NA	NA	NA	0.00243	U
8001-35-2	Toxaphene	NA	NA	NA	0.0404	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0404	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0404	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0404	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0404	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0404	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0404	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0404	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0404	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0404	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0404	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0404	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0404	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0404	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0404	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0404	U

Table 18
Endpoint Sample Results Summary
August 24, 2016 (EP-24)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601618					Result	Q
Lab: Accredited Analytical Resources LLC					**1601618-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-24**	
Sample Depth (feet below grade surface):					**10-11**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
88-74-4	2-Nitroaniline	NA	NA	NA	0.0404	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0404	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0404	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.101	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0404	U
534-52-1	4,6-Dinitro-2-methylpheno	NA	NA	NA	0.0404	U
101-55-3	4-Bromophenyl-phenylethe	NA	NA	NA	0.0404	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0404	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0404	U
7005-72-3	4-Chlorophenyl-phenylethe	NA	NA	NA	0.0404	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0404	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0404	U
83-32-9	Acenaphthene	98	100	20	0.0404	U
208-96-8	Acenaphthylene	107	100	100	0.0404	U
120-12-7	Anthracene	1000	100	100	0.0404	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0404	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0404	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0404	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0404	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0404	U
65-85-0	Benzoic acid	NA	NA	NA	0.101	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0404	U
111-91-1	bis(2-chloroethoxy)methan	NA	NA	NA	0.0404	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0404	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0404	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0404	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0404	U
218-01-9	Chrysene	1	3.9	1	0.0404	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0404	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0404	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0404	U
132-64-9	Dibenzofuran	210	59	7	0.0404	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0404	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0404	U
206-44-0	Fluoranthene	1000	100	100	0.0404	U
86-73-7	Fluorene	386	100	30	0.0404	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0404	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0404	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0404	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0404	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0404	U
78-59-1	Isophorone	NA	NA	NA	0.0404	U
621-64-7	N-Nitroso-di-n-propylamin	NA	NA	NA	0.0404	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0404	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0404	U
91-20-3	Naphthalene	12	100	12	0.0404	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0404	U

Table 18
Endpoint Sample Results Summary
August 24, 2016 (EP-24)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601618					Result	Q
Lab: Accredited Analytical Resources LLC					**1601618-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-24**	
Sample Depth (feet below grade surface):					**10-11**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0404	U
85-01-8	Phenanthrene	1000	100	100	0.0404	U
108-95-2	Phenol	0.33	100	0.33	0.0404	U
129-00-0	Pyrene	1000	100	100	0.0404	U
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.0910	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**12600**	
7440-36-0	Antimony	NA	NA	NA	4.84	U
7440-38-2	Arsenic	16	16	13	**2.29**	
7440-39-3	Barium	820	400	350	**64.0**	
7440-41-7	Beryllium	47	72	7.2	0.605	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.605	U
7440-70-2	Calcium	NA	NA	NA	**1630**	
7440-47-3	Chromium	NA	NA	NA	**15.5**	
7440-48-4	Cobalt	NA	NA	NA	**6.61**	
7440-50-8	Copper	1720	270	50	**10.1**	
7439-89-6	Iron	NA	NA	NA	**14400**	
7439-92-1	Lead	450	400	63	**12.9**	
7439-95-4	Magnesium	NA	NA	NA	**3030**	
7439-96-5	Manganese	2000	2000	1600	**418**	
7440-02-0	Nickel	130	310	30	**12.4**	
7440-09-7	Potassium	NA	NA	NA	**690**	
7782-49-2	Selenium	4	180	3.9	2.42	U
7440-22-4	Silver	8.3	180	2	0.605	U
7440-23-5	Sodium	NA	NA	NA	**89.3**	
7440-28-0	Thallium	NA	NA	NA	1.81	U
7440-62-2	Vanadium	NA	NA	NA	**21.1**	
7440-66-6	Zinc	2480	10000	109	**41.4**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00128	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00128	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00128	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00128	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00128	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00128	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00128	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00128	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00128	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00128	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00128	U
96-12-8	1,2-Dibromo-3-chloropropa	NA	NA	NA	0.00128	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00128	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00128	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00128	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00128	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00128	U

Table 18
Endpoint Sample Results Summary
August 24, 2016 (EP-24)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601618					Result	Q
Lab: Accredited Analytical Resources LLC					**1601618-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-24**	
Sample Depth (feet below grade surface):					**10-11**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00128	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00128	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00128	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00128	U
78-93-3	2-Butanone	0.12	100	0.12	**0.00823**	
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00128	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00128	U
591-78-6	2-Hexanone	NA	NA	NA	0.00128	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00128	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00128	U
67-64-1	Acetone	0.05	100	0.05	**0.0367**	
107-02-8	Acrolein	NA	NA	NA	0.00768	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00256	U
71-43-2	Benzene	0.06	4.8	0.06	0.00128	U
108-86-1	Bromobenzene	NA	NA	NA	0.00128	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00128	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00128	U
75-25-2	Bromoform	NA	NA	NA	0.00128	U
74-83-9	Bromomethane	NA	NA	NA	0.00128	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00128	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00128	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00128	U
75-00-3	Chloroethane	NA	NA	NA	0.00128	U
67-66-3	Chloroform	0.37	49	0.37	0.00128	U
74-87-3	Chloromethane	NA	NA	NA	0.00128	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00128	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00128	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00128	U
74-95-3	Dibromomethane	NA	NA	NA	0.00128	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00128	U
100-41-4	Ethylbenzene	1	41	1	0.00128	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00128	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00128	U
108-38-3/106-4	m,p-Xylenes	0.8	50	0.13	0.00256	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00128	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00128	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00128	U
95-47-6	o-Xylene	0.8	50	0.13	0.00256	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00128	U
135-98-8	sec-Butylbenzene	11	100	11	0.00128	U
100-42-5	Styrene	NA	NA	NA	0.00128	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00128	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00128	U
108-88-3	Toluene	0.7	100	0.7	0.00128	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00128	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00128	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00128	U

Table 18
Endpoint Sample Results Summary
August 24, 2016 (EP-24)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601618					Result	Q
Lab: Accredited Analytical Resources LLC					**1601618-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-24**	
Sample Depth (feet below grade surface):					**10-11**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00128	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00128	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00128	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**82.4**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.43	U
	Cyanide (total)	40	27	27	1.21	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**15.5**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 200
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
No compounds were detected at concentrations exceeding the NYURU, NYRRES, or th NYPGW standard
NA = No applicable standard
Bold = detected compounds
mg/kg = milligrams per kilograms

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 19
Endpoint Sample Results Summary
August 24, 2016 (EP-25)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601635					Result	Q
Lab: Accredited Analytical Resources LLC					**1601635-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-25**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00146	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00146	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00146	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000724	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000724	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000724	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0182	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0182	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0182	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0182	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0182	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0182	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0182	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0182	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0182	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000724	U
319-86-8	delta-BHC	0.25	100	0.04	0.000724	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00146	U
959-98-8	Endosulfan I	102	24	2.4	0.000724	U
33213-65-9	Endosulfan II	102	24	2.4	0.00146	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00146	U
72-20-8	Endrin	0.06	11	0.014	0.00146	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00146	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00146	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000724	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000724	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000724	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000724	U
72-43-5	Methoxychlor	NA	NA	NA	0.00219	U
8001-35-2	Toxaphene	NA	NA	NA	0.0365	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0365	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0365	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0365	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0365	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0365	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0365	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0365	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0365	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0365	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0365	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0365	U

Table 19
Endpoint Sample Results Summary
August 24, 2016 (EP-25)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601635					Result	Q
Lab: Accredited Analytical Resources LLC					**1601635-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-25**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0365	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0365	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0365	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0365	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0365	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0365	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0365	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0910	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0365	U
534-52-1	4,6-Dinitro-2-methylpheno	NA	NA	NA	0.0365	U
101-55-3	4-Bromophenyl-phenylethe	NA	NA	NA	0.0365	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0365	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0365	U
7005-72-3	4-Chlorophenyl-phenylethe	NA	NA	NA	0.0365	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0365	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0365	U
83-32-9	Acenaphthene	98	100	20	0.0365	U
208-96-8	Acenaphthylene	107	100	100	0.0365	U
120-12-7	Anthracene	1000	100	100	0.0365	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0365	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0365	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0365	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0365	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0365	U
65-85-0	Benzoic acid	NA	NA	NA	0.0910	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0365	U
111-91-1	bis(2-chloroethoxy)methan	NA	NA	NA	0.0365	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0365	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0365	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0365	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0365	U
218-01-9	Chrysene	1	3.9	1	0.0365	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0365	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0365	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0365	U
132-64-9	Dibenzofuran	210	59	7	0.0365	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0365	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0365	U
206-44-0	Fluoranthene	1000	100	100	0.0365	U
86-73-7	Fluorene	386	100	30	0.0365	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0365	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0365	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0365	U

Table 19
Endpoint Sample Results Summary
August 24, 2016 (EP-25)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601635					Result	Q
Lab: Accredited Analytical Resources LLC					**1601635-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-25**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
67-72-1	Hexachloroethane	NA	NA	NA	0.0365	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0365	U
78-59-1	Isophorone	NA	NA	NA	0.0365	U
621-64-7	N-Nitroso-di-n-propylamin	NA	NA	NA	0.0365	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0365	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0365	U
91-20-3	Naphthalene	12	100	12	0.0365	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0365	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0365	U
85-01-8	Phenanthrene	1000	100	100	0.0365	U
108-95-2	Phenol	0.33	100	0.33	0.0365	U
129-00-0	Pyrene	1000	100	100	0.0365	U
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.0822	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**5240**	
7440-36-0	Antimony	NA	NA	NA	4.36	U
7440-38-2	Arsenic	16	16	13	**5.48**	
7440-39-3	Barium	820	400	350	**37.7**	
7440-41-7	Beryllium	47	72	7.2	0.545	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.545	U
7440-70-2	Calcium	NA	NA	NA	**43000**	
7440-47-3	Chromium	NA	NA	NA	**9.20**	
7440-48-4	Cobalt	NA	NA	NA	5.45	U
7440-50-8	Copper	1720	270	50	**16.2**	
7439-89-6	Iron	NA	NA	NA	**7740**	
7439-92-1	Lead	450	400	63	**11.6**	
7439-95-4	Magnesium	NA	NA	NA	**10700**	
7439-96-5	Manganese	2000	2000	1600	**216**	
7440-02-0	Nickel	130	310	30	**7.17**	
7440-09-7	Potassium	NA	NA	NA	**1500**	
7782-49-2	Selenium	4	180	3.9	2.18	U
7440-22-4	Silver	8.3	180	2	0.545	U
7440-23-5	Sodium	NA	NA	NA	**147**	
7440-28-0	Thallium	NA	NA	NA	1.63	U
7440-62-2	Vanadium	NA	NA	NA	**17.1**	
7440-66-6	Zinc	2480	10000	109	**31.6**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.000962	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.000962	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.000962	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.000962	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.000962	U

Table 19
Endpoint Sample Results Summary
August 24, 2016 (EP-25)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601635					Result	Q
Lab: Accredited Analytical Resources LLC					**1601635-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-25**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.000962	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.000962	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.000962	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.000962	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.000962	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.000962	U
96-12-8	1,2-Dibromo-3-chloroprop	NA	NA	NA	0.000962	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.000962	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.000962	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.000962	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.000962	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.000962	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.000962	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.000962	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.000962	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.000962	U
78-93-3	2-Butanone	0.12	100	0.12	0.000962	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.000962	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.000962	U
591-78-6	2-Hexanone	NA	NA	NA	0.000962	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.000962	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.000962	U
67-64-1	Acetone	0.05	100	0.05	0.000962	U
107-02-8	Acrolein	NA	NA	NA	0.00577	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00192	U
71-43-2	Benzene	0.06	4.8	0.06	0.000962	U
108-86-1	Bromobenzene	NA	NA	NA	0.000962	U
74-97-5	Bromochloromethane	NA	NA	NA	0.000962	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.000962	U
75-25-2	Bromoform	NA	NA	NA	0.000962	U
74-83-9	Bromomethane	NA	NA	NA	0.000962	U
75-15-0	Carbon disulfide	NA	NA	NA	0.000962	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.000962	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.000962	U
75-00-3	Chloroethane	NA	NA	NA	0.000962	U
67-66-3	Chloroform	0.37	49	0.37	0.000962	U
74-87-3	Chloromethane	NA	NA	NA	0.000962	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.000962	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.000962	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.000962	U
74-95-3	Dibromomethane	NA	NA	NA	0.000962	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.000962	U
100-41-4	Ethylbenzene	1	41	1	0.000962	U

Table 19
Endpoint Sample Results Summary
August 24, 2016 (EP-25)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601635					Result	Q
Lab: Accredited Analytical Resources LLC					**1601635-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-25**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/24/16**	
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.000962	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.000962	U
108-38-3/106-4	m,p-Xylenes	0.8	50	0.13	0.00192	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.000962	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.000962	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.000962	U
95-47-6	o-Xylene	0.8	50	0.13	0.00192	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.000962	U
135-98-8	sec-Butylbenzene	11	100	11	0.000962	U
100-42-5	Styrene	NA	NA	NA	0.000962	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.000962	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.000962	U
108-88-3	Toluene	0.7	100	0.7	0.000962	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.000962	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.000962	U
79-01-6	Trichloroethene	0.47	21	0.47	0.000962	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.000962	U
108-05-4	Vinyl acetate	NA	NA	NA	0.000962	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.000962	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**91.2**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.19	U
	Cyanide (total)	40	27	27	1.10	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**9.20**	

Notes:

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)

NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)

No compounds were detected at concentratinos exceeding the NYURU, NYRRES, or the NYPGW Standards

NA = No applicable standard

Bold = detected compounds

mg/kg = milligrams per kilograms

Qualifiers:

E - Concentration exceeds highest calibration standard

B - Indicates compound found in associated blank

D - Indicates result is based on a dilution

H - Alternate peak selection upon analytical review

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected

Table 20
Endpoint Sample Results Summary
August 31, 2016 (EP-26)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601673					Result	Q
Lab: Accredited Analytical Resources LLC					**1601673-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-26**	
Sample Depth (feet below grade surface):					**9 - 10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/31/16**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00153	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00153	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00153	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000757	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000757	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	**0.000917**	P
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0190	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0190	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0190	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0190	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0190	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0190	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0190	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0190	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0190	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000757	U
319-86-8	delta-BHC	0.25	100	0.04	0.000757	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00153	U
959-98-8	Endosulfan I	102	24	2.4	0.000757	U
33213-65-9	Endosulfan II	102	24	2.4	0.00153	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00153	U
72-20-8	Endrin	0.06	11	0.014	0.00153	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00153	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00153	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000757	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000757	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000757	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000757	U
72-43-5	Methoxychlor	NA	NA	NA	0.00229	U
8001-35-2	Toxaphene	NA	NA	NA	0.0382	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0382	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0382	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0382	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0382	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0382	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0382	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0382	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0382	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0382	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0382	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0382	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0382	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0382	U

Table 20
Endpoint Sample Results Summary
August 31, 2016 (EP-26)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601673					Result	Q
Lab: Accredited Analytical Resources LLC					**1601673-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-26**	
Sample Depth (feet below grade surface):					**9 - 10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/31/16**	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0382	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0382	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0382	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0382	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0382	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0952	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0382	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0382	U
101-55-3	4-Bromophenyl-phenylethe	NA	NA	NA	0.0382	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0382	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0382	U
7005-72-3	4-Chlorophenyl-phenylethe	NA	NA	NA	0.0382	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0382	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0382	U
83-32-9	Acenaphthene	98	100	20	0.0382	U
208-96-8	Acenaphthylene	107	100	100	0.0382	U
120-12-7	Anthracene	1000	100	100	**0.0807**	J
56-55-3	Benzo[a]anthracene	1	1	1	**0.254**	
50-32-8	Benzo[a]pyrene	22	1	1	**0.237**	
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.269**	
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.0956**	J
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.133**	J
65-85-0	Benzoic acid	NA	NA	NA	0.0952	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0382	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0382	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0382	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0382	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0382	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0382	U
218-01-9	Chrysene	1	3.9	1	**0.265**	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0382	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0382	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0382	U
132-64-9	Dibenzofuran	210	59	7	0.0382	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0382	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0382	U
206-44-0	Fluoranthene	1000	100	100	**0.509**	
86-73-7	Fluorene	386	100	30	0.0382	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0382	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0382	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0382	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0382	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.0868**	J
78-59-1	Isophorone	NA	NA	NA	0.0382	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0382	U

Table 20
Endpoint Sample Results Summary
August 31, 2016 (EP-26)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601673					Result	Q
Lab: Accredited Analytical Resources LLC					**1601673-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-26**	
Sample Depth (feet below grade surface):					**9 - 10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/31/16**	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0382	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0382	U
91-20-3	Naphthalene	12	100	12	0.0382	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0382	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0382	U
85-01-8	Phenanthrene	1000	100	100	**0.361**	
108-95-2	Phenol	0.33	100	0.33	0.0382	U
129-00-0	Pyrene	1000	100	100	**0.565**	
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.0860	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**8250**	
7440-36-0	Antimony	NA	NA	NA	4.59	U
7440-38-2	Arsenic	16	16	13	**2.62**	
7440-39-3	Barium	820	400	350	**57.5**	
7440-41-7	Beryllium	47	72	7.2	0.573	U
7440-43-9	Cadmium	7.5	4.3	2.5	0.573	U
7440-70-2	Calcium	NA	NA	NA	**16300**	
7440-47-3	Chromium	NA	NA	NA	**15.8**	
7440-48-4	Cobalt	NA	NA	NA	**7.86**	
7440-50-8	Copper	1720	270	50	**32.7**	
7439-89-6	Iron	NA	NA	NA	**16800**	
7439-92-1	Lead	450	400	63	**62.8**	
7439-95-4	Magnesium	NA	NA	NA	**7840**	
7439-96-5	Manganese	2000	2000	1600	**295**	
7440-02-0	Nickel	130	310	30	**13.7**	
7440-09-7	Potassium	NA	NA	NA	**1560**	
7782-49-2	Selenium	4	180	3.9	2.29	U
7440-22-4	Silver	8.3	180	2	0.573	U
7440-23-5	Sodium	NA	NA	NA	**228**	
7440-28-0	Thallium	NA	NA	NA	1.72	U
7440-62-2	Vanadium	NA	NA	NA	**23.3**	
7440-66-6	Zinc	2480	10000	109	**71.8**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00113	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00113	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00113	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00113	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00113	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00113	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00113	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00113	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00113	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00113	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00113	U

Table 20
Endpoint Sample Results Summary
August 31, 2016 (EP-26)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601673					Result	Q
Lab: Accredited Analytical Resources LLC					**1601673-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-26**	
Sample Depth (feet below grade surface):					**9 - 10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/31/16**	
96-12-8	1,2-Dibromo-3-chloropropa	NA	NA	NA	0.00113	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00113	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00113	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00113	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00113	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00113	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00113	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00113	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00113	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00113	U
78-93-3	2-Butanone	0.12	100	0.12	0.00113	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00113	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00113	U
591-78-6	2-Hexanone	NA	NA	NA	0.00113	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00113	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00113	U
67-64-1	Acetone	0.05	100	0.05	**0.00437**	B
107-02-8	Acrolein	NA	NA	NA	0.00680	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00227	U
71-43-2	Benzene	0.06	4.8	0.06	0.00113	U
108-86-1	Bromobenzene	NA	NA	NA	0.00113	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00113	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00113	U
75-25-2	Bromoform	NA	NA	NA	0.00113	U
74-83-9	Bromomethane	NA	NA	NA	0.00113	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00113	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00113	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00113	U
75-00-3	Chloroethane	NA	NA	NA	0.00113	U
67-66-3	Chloroform	0.37	49	0.37	0.00113	U
74-87-3	Chloromethane	NA	NA	NA	0.00113	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00113	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00113	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00113	U
74-95-3	Dibromomethane	NA	NA	NA	0.00113	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00113	U
100-41-4	Ethylbenzene	1	41	1	0.00113	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00113	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00113	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	0.00227	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00113	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00113	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00113	U
95-47-6	o-Xylene	0.8	50	0.13	0.00227	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00113	U

Table 20
Endpoint Sample Results Summary
August 31, 2016 (EP-26)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601673					Result	Q
Lab: Accredited Analytical Resources LLC					**1601673-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-26**	
Sample Depth (feet below grade surface):					**9 - 10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**08/31/16**	
135-98-8	sec-Butylbenzene	11	100	11	0.00113	U
100-42-5	Styrene	NA	NA	NA	0.00113	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00113	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00113	U
108-88-3	Toluene	0.7	100	0.7	0.00113	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00113	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00113	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00113	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00113	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00113	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00113	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**87.2**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.29	U
	Cyanide (total)	40	27	27	1.15	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**15.8**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
No compounds were detected at concentrations exceeding the NYURU, NYRRES, or the NYPGW Standards
NA = No applicable standard
Bold = detected compounds
mg/kg = milligrams per kilograms

Qualifiers:
B - Indicates compound found in associated blank
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected
P - This flag is used for a pesticide/aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.

Table 21
Endpoint Sample Results Summary
September 6, 2016 (EP-27)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601701					Result	Q
Lab: Accredited Analytical Resources LLC					1601701-01	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					EP-27	
Sample Depth (feet below grade surface):					16	
CAS#	Compound	NYPGW	NYRRES	NYURU	09/06/16	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00181	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00181	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00181	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000900	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000900	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000900	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0226	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0226	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0226	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0226	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0226	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0226	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0226	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0226	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0226	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000900	U
319-86-8	delta-BHC	0.25	100	0.04	0.000900	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00181	U
959-98-8	Endosulfan I	102	24	2.4	0.000900	U
33213-65-9	Endosulfan II	102	24	2.4	0.00181	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00181	U
72-20-8	Endrin	0.06	11	0.014	0.00181	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00181	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00181	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000900	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000900	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000900	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000900	U
72-43-5	Methoxychlor	NA	NA	NA	0.00273	U
8001-35-2	Toxaphene	NA	NA	NA	0.0454	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0454	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0454	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0454	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0454	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0454	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0454	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0454	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0454	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0454	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0454	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0454	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0454	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0454	U

Table 21
Endpoint Sample Results Summary
September 6, 2016 (EP-27)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601701					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1601701-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-27**	
Sample Depth (feet below grade surface):					**16**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/06/16**	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0454	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0454	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0454	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0454	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0454	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.113	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0454	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0454	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0454	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0454	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0454	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0454	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0454	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0454	U
83-32-9	Acenaphthene	98	100	20	0.0454	U
208-96-8	Acenaphthylene	107	100	100	0.0454	U
120-12-7	Anthracene	1000	100	100	0.0454	U
56-55-3	Benzo[a]anthracene	1	1	1	**0.0846**	J
50-32-8	Benzo[a]pyrene	22	1	1	**0.0773**	J
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.0996**	J
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0454	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0454	U
65-85-0	Benzoic acid	NA	NA	NA	0.113	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0454	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0454	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0454	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0454	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0454	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0454	U
218-01-9	Chrysene	1	3.9	1	**0.0941**	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0454	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0454	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0454	U
132-64-9	Dibenzofuran	210	59	7	0.0454	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0454	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0454	U
206-44-0	Fluoranthene	1000	100	100	**0.178**	J
86-73-7	Fluorene	386	100	30	0.0454	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0454	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0454	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0454	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0454	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0454	U
78-59-1	Isophorone	NA	NA	NA	0.0454	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0454	U

Table 21
Endpoint Sample Results Summary
September 6, 2016 (EP-27)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601701					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1601701-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-27**	
Sample Depth (feet below grade surface):					**16**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/06/16**	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0454	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0454	U
91-20-3	Naphthalene	12	100	12	0.0454	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0454	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0454	U
85-01-8	Phenanthrene	1000	100	100	**0.118**	J
108-95-2	Phenol	0.33	100	0.33	0.0454	U
129-00-0	Pyrene	1000	100	100	**0.162**	J
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	**0.164**	
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**10600**	
7440-36-0	Antimony	NA	NA	NA	4.04	U
7440-38-2	Arsenic	16	16	13	**2.53**	
7440-39-3	Barium	820	400	350	**58.5**	
7440-41-7	Beryllium	47	72	7.2	0.505	U
7440-43-9	Cadmium	7.5	4.3	2.5	**0.890**	
7440-70-2	Calcium	NA	NA	NA	**11800**	
7440-47-3	Chromium	NA	NA	NA	**17.0**	
7440-48-4	Cobalt	NA	NA	NA	**8.34**	
7440-50-8	Copper	1720	270	50	**18.9**	
7439-89-6	Iron	NA	NA	NA	**15200**	
7439-92-1	Lead	450	400	63	**31.0**	
7439-95-4	Magnesium	NA	NA	NA	**8860**	
7439-96-5	Manganese	2000	2000	1600	**473**	
7440-02-0	Nickel	130	310	30	**14.1**	
7440-09-7	Potassium	NA	NA	NA	**1410**	
7782-49-2	Selenium	4	180	3.9	2.02	U
7440-22-4	Silver	8.3	180	2	0.505	U
7440-23-5	Sodium	NA	NA	NA	**201**	
7440-28-0	Thallium	NA	NA	NA	1.51	U
7440-62-2	Vanadium	NA	NA	NA	**25.6**	
7440-66-6	Zinc	2480	10000	109	**55.1**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00140	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00140	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00140	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00140	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00140	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00140	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00140	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00140	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00140	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00140	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00140	U

Table 21
Endpoint Sample Results Summary
September 6, 2016 (EP-27)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601701					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1601701-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-27**	
Sample Depth (feet below grade surface):					**16**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/06/16**	
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00140	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00140	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00140	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00140	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00140	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00140	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00140	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00140	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00140	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00140	U
78-93-3	2-Butanone	0.12	100	0.12	0.00140	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00140	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00140	U
591-78-6	2-Hexanone	NA	NA	NA	0.00140	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00140	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00140	U
67-64-1	Acetone	0.05	100	0.05	**0.00827**	
107-02-8	Acrolein	NA	NA	NA	0.00842	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00281	U
71-43-2	Benzene	0.06	4.8	0.06	0.00140	U
108-86-1	Bromobenzene	NA	NA	NA	0.00140	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00140	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00140	U
75-25-2	Bromoform	NA	NA	NA	0.00140	U
74-83-9	Bromomethane	NA	NA	NA	0.00140	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00140	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00140	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00140	U
75-00-3	Chloroethane	NA	NA	NA	0.00140	U
67-66-3	Chloroform	0.37	49	0.37	0.00140	U
74-87-3	Chloromethane	NA	NA	NA	0.00140	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00140	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00140	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00140	U
74-95-3	Dibromomethane	NA	NA	NA	0.00140	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00140	U
100-41-4	Ethylbenzene	1	41	1	0.00140	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00140	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00140	U
108-38-3/106-	m,p-Xylenes	0.8	50	0.13	0.00281	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00140	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00140	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00140	U
95-47-6	o-Xylene	0.8	50	0.13	0.00281	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00140	U

Table 21
Endpoint Sample Results Summary
September 6, 2016 (EP-27)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601701					**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1601701-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-27**	
Sample Depth (feet below grade surface):					**16**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/06/16**	
135-98-8	sec-Butylbenzene	11	100	11	0.00140	U
100-42-5	Styrene	NA	NA	NA	0.00140	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00140	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00140	U
108-88-3	Toluene	0.7	100	0.7	0.00140	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00140	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00140	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00140	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00140	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00140	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00140	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**73.3**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.73	U
	Cyanide (total)	40	27	27	1.36	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**17.0**	

Notes:

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)

NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)

No compounds were detected at concentrations exceeding the NYURU, NYRRES, or the NYPGW Standards

NA = No applicable standard

Bold = detected compounds

mg/kg = milligrams per kilograms

Qualifiers:

J - Indicates estimated value for TICs and all results when detected below the RL

U - Indicates compound analyzed for but not detected

Table 22
Endpoint Sample Results Summary
September 9, 2016 (EP-28)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601734					Result	Q
Lab: Accredited Analytical Resources LLC					**1601734-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-28**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/09/16**	
EPA Method SW846 8081/8082 (mg/kg)						
72-54-8	4,4'-DDD	14	13	0.0033	0.00156	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00156	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00156	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000774	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000774	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000774	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0195	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0195	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0195	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0195	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0195	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0195	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0195	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0195	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0195	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000774	U
319-86-8	delta-BHC	0.25	100	0.04	0.000774	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00156	U
959-98-8	Endosulfan I	102	24	2.4	0.000774	U
33213-65-9	Endosulfan II	102	24	2.4	0.00156	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00156	U
72-20-8	Endrin	0.06	11	0.014	0.00156	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00156	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00156	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000774	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000774	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000774	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000774	U
72-43-5	Methoxychlor	NA	NA	NA	0.00234	U
8001-35-2	Toxaphene	NA	NA	NA	0.0390	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0390	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0390	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0390	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0390	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0390	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0390	U

Table 22
Endpoint Sample Results Summary
September 9, 2016 (EP-28)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601734					Result	Q
Lab: Accredited Analytical Resources LLC					**1601734-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-28**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/09/16**	
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0390	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0390	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0390	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0390	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0390	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0390	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0390	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0390	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0390	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0390	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0390	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0390	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.0973	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0390	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0390	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0390	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0390	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0390	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0390	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0390	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0390	U
83-32-9	Acenaphthene	98	100	20	0.0390	U
208-96-8	Acenaphthylene	107	100	100	0.0390	U
120-12-7	Anthracene	1000	100	100	0.0390	U
56-55-3	Benzo[a]anthracene	1	1	1	0.0390	U
50-32-8	Benzo[a]pyrene	22	1	1	0.0390	U
205-99-2	Benzo[b]fluoranthene	1.7	1	1	0.0390	U
191-24-2	Benzo[ghi]perylene	1000	100	100	0.0390	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	0.0390	U
65-85-0	Benzoic acid	NA	NA	NA	0.0973	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0390	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0390	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0390	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0390	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0390	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0390	U
218-01-9	Chrysene	1	3.9	1	0.0390	U
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0390	U

Table 22
Endpoint Sample Results Summary
September 9, 2016 (EP-28)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601734					Result	Q
Lab: Accredited Analytical Resources LLC					**1601734-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-28**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/09/16**	
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0390	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0390	U
132-64-9	Dibenzofuran	210	59	7	0.0390	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0390	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0390	U
206-44-0	Fluoranthene	1000	100	100	0.0390	U
86-73-7	Fluorene	386	100	30	0.0390	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0390	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0390	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0390	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0390	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.0390	U
78-59-1	Isophorone	NA	NA	NA	0.0390	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0390	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0390	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0390	U
91-20-3	Naphthalene	12	100	12	0.0390	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0390	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0390	U
85-01-8	Phenanthrene	1000	100	100	0.0390	U
108-95-2	Phenol	0.33	100	0.33	0.0390	U
129-00-0	Pyrene	1000	100	100	0.0390	U
Total Mercury by SW846 7471 (mg/kg)						
7439-97-6	Mercury	0.73	0.81	0.18	0.0879	U
Total Metals by EPA Method SW846 6010 (mg/kg)						
7429-90-5	Aluminum	NA	NA	NA	**11500**	
7440-36-0	Antimony	NA	NA	NA	3.87	U
7440-38-2	Arsenic	16	16	13	**2.32**	
7440-39-3	Barium	820	400	350	**57.3**	
7440-41-7	Beryllium	47	72	7.2	0.484	U
7440-43-9	Cadmium	7.5	4.3	2.5	**0.667**	
7440-70-2	Calcium	NA	NA	NA	**4100**	
7440-47-3	Chromium	NA	NA	NA	**22.8**	
7440-48-4	Cobalt	NA	NA	NA	**9.35**	
7440-50-8	Copper	1720	270	50	**17.8**	
7439-89-6	Iron	NA	NA	NA	**18800**	
7439-92-1	Lead	450	400	63	**13.0**	
7439-95-4	Magnesium	NA	NA	NA	**7030**	

Table 22
Endpoint Sample Results Summary
September 9, 2016 (EP-28)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601734					Result	Q
Lab: Accredited Analytical Resources LLC					**1601734-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-28**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/09/16**	
7439-96-5	Manganese	2000	2000	1600	**557**	
7440-02-0	Nickel	130	310	30	**15.8**	
7440-09-7	Potassium	NA	NA	NA	**1840**	
7782-49-2	Selenium	4	180	3.9	3.87	U
7440-22-4	Silver	8.3	180	2	0.484	U
7440-23-5	Sodium	NA	NA	NA	**166**	
7440-28-0	Thallium	NA	NA	NA	1.45	U
7440-62-2	Vanadium	NA	NA	NA	**31.6**	
7440-66-6	Zinc	2480	10000	109	**46.1**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00121	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00121	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00121	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00121	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00121	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00121	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00121	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00121	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00121	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00121	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00121	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00121	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00121	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00121	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00121	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00121	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00121	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00121	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00121	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00121	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00121	U
78-93-3	2-Butanone	0.12	100	0.12	**0.0171**	
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00121	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00121	U
591-78-6	2-Hexanone	NA	NA	NA	0.00121	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00121	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00121	U
67-64-1	Acetone	0.05	100	0.05	**0.0608**	

Table 22
Endpoint Sample Results Summary
September 9, 2016 (EP-28)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601734					Result	Q
Lab: Accredited Analytical Resources LLC					**1601734-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-28**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/09/16**	
107-02-8	Acrolein	NA	NA	NA	0.00728	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00243	U
71-43-2	Benzene	0.06	4.8	0.06	0.00121	U
108-86-1	Bromobenzene	NA	NA	NA	0.00121	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00121	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00121	U
75-25-2	Bromoform	NA	NA	NA	0.00121	U
74-83-9	Bromomethane	NA	NA	NA	0.00121	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00121	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00121	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00121	U
75-00-3	Chloroethane	NA	NA	NA	0.00121	U
67-66-3	Chloroform	0.37	49	0.37	0.00121	U
74-87-3	Chloromethane	NA	NA	NA	0.00121	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00121	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00121	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00121	U
74-95-3	Dibromomethane	NA	NA	NA	0.00121	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00121	U
100-41-4	Ethylbenzene	1	41	1	0.00121	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00121	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00121	U
108-38-3/106-42-3	m,p-Xylenes	0.8	50	0.13	0.00243	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00121	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00121	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00121	U
95-47-6	o-Xylene	0.8	50	0.13	0.00243	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00121	U
135-98-8	sec-Butylbenzene	11	100	11	0.00121	U
100-42-5	Styrene	NA	NA	NA	0.00121	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00121	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00121	U
108-88-3	Toluene	0.7	100	0.7	0.00121	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00121	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00121	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00121	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00121	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00121	U

Table 22
Endpoint Sample Results Summary
September 9, 2016 (EP-28)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601734					Result	Q
Lab: Accredited Analytical Resources LLC					**1601734-01**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-28**	
Sample Depth (feet below grade surface):					**9-10**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/09/16**	
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00121	U
Wet Chemistry (%)						
	Percent Solids	NA	NA	NA	**85.3**	
Wet Chemistry (mg/kg)						
1854-02-99	Chromium, Hexavalent	19	110	1	2.34	U
	Cyanide (total)	40	27	27	1.17	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**22.8**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = Exceeds NYURU
NA = No applicable standard
Bold = detected compounds
mg/kg = milligrams per kilograms

Qualifiers:
U - Indicates compound analyzed for but not detected

Table 23
Endpoint Sample Results Summary
September 13, 2016 (EP-29 and EP-30)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601751					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1601751-01		1601751-02	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					EP-29		EP-30	
Sample Depth (feet below grade surface)					16		16	
CAS#	Compound	NYPGW	NYRRES	NYURU	09/13/16		09/13/16	
EPA Method SW846 8081/8082 (mg/kg)								
72-54-8	4,4'-DDD	14	13	0.0033	0.00190	U	0.00179	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00190	U	0.00179	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00190	U	0.00179	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000943	U	0.000886	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000943	U	0.000886	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000943	U	0.000886	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0237	U	0.0223	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0237	U	0.0223	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0237	U	0.0223	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0237	U	0.0223	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0237	U	0.0223	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0237	U	0.0223	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0237	U	0.0223	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0237	U	0.0223	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0237	U	0.0223	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000943	U	0.000886	U
319-86-8	delta-BHC	0.25	100	0.04	0.000943	U	0.000886	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00190	U	0.00179	U
959-98-8	Endosulfan I	102	24	2.4	0.000943	U	0.000886	U
33213-65-9	Endosulfan II	102	24	2.4	0.00190	U	0.00179	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00190	U	0.00179	U
72-20-8	Endrin	0.06	11	0.014	0.00190	U	0.00179	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00190	U	0.00179	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00190	U	0.00179	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000943	U	0.000886	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000943	U	0.000886	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000943	U	0.000886	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000943	U	0.000886	U
72-43-5	Methoxychlor	NA	NA	NA	0.00286	U	0.00268	U
8001-35-2	Toxaphene	NA	NA	NA	0.0476	U	0.0447	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)								
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0476	U	0.0447	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0476	U	0.0447	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0476	U	0.0447	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0476	U	0.0447	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0476	U	0.0447	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0476	U	0.0447	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0476	U	0.0447	U

Table 23
Endpoint Sample Results Summary
September 13, 2016 (EP-29 and EP-30)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601751					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					1601751-01		1601751-02	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					EP-29		EP-30	
Sample Depth (feet below grade surface)					16		16	
CAS#	Compound	NYPGW	NYRRES	NYURU	09/13/16		09/13/16	
EPA Method SW846 8081/8082 (mg/kg)								
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0476	U	0.0447	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0476	U	0.0447	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0476	U	0.0447	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0476	U	0.0447	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0476	U	0.0447	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0476	U	0.0447	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0476	U	0.0447	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0476	U	0.0447	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0476	U	0.0447	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0476	U	0.0447	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0476	U	0.0447	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.119	U	0.111	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0476	U	0.0447	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0476	U	0.0447	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0476	U	0.0447	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0476	U	0.0447	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0476	U	0.0447	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0476	U	0.0447	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0476	U	0.0447	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0476	U	0.0447	U
83-32-9	Acenaphthene	98	100	20	**0.0795**	J	0.0447	U
208-96-8	Acenaphthylene	107	100	100	0.0476	U	0.0447	U
120-12-7	Anthracene	1000	100	100	**0.135**	J	**0.0577**	J
56-55-3	Benzo[a]anthracene	1	1	1	**0.420**		**0.190**	J
50-32-8	Benzo[a]pyrene	22	1	1	**0.387**		**0.178**	J
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.525**		**0.211**	J
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.212**	J	**0.0886**	J
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.189**	J	**0.0837**	J
65-85-0	Benzoic acid	NA	NA	NA	0.119	U	0.111	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0476	U	0.0447	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0476	U	0.0447	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0476	U	0.0447	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0476	U	0.0447	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	**0.142**	J	0.0447	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0476	U	0.0447	U
218-01-9	Chrysene	1	3.9	1	**0.486**		**0.197**	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0476	U	0.0447	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0476	U	0.0447	U

Table 23
Endpoint Sample Results Summary
September 13, 2016 (EP-29 and EP-30)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601751					**Result**	**Q**	**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1601751-01**		**1601751-02**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-29**		**EP-30**	
Sample Depth (feet below grade surface)					**16**		**16**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/13/16**		**09/13/16**	
EPA Method SW846 8081/8082 (mg/kg)								
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	**0.0552**	J	0.0447	U
132-64-9	Dibenzofuran	210	59	7	0.0476	U	0.0447	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0476	U	0.0447	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0476	U	0.0447	U
206-44-0	Fluoranthene	1000	100	100	**1.15**		**0.386**	
86-73-7	Fluorene	386	100	30	**0.0724**	J	0.0447	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0476	U	0.0447	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0476	U	0.0447	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0476	U	0.0447	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0476	U	0.0447	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.200**	J	**0.0814**	J
78-59-1	Isophorone	NA	NA	NA	0.0476	U	0.0447	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0476	U	0.0447	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0476	U	0.0447	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0476	U	0.0447	U
91-20-3	Naphthalene	12	100	12	**0.0514**	J	0.0447	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0476	U	0.0447	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0476	U	0.0447	U
85-01-8	Phenanthrene	1000	100	100	**1.02**		**0.236**	
108-95-2	Phenol	0.33	100	0.33	**0.164**	J	0.0447	U
129-00-0	Pyrene	1000	100	100	**0.933**		**0.376**	
Total Mercury by SW846 7471 (mg/kg)								
7439-97-6	Mercury	0.73	0.81	0.18	**0.149**		**0.202**	
Total Metals by EPA Method SW846 6010 (mg/kg)								
7429-90-5	Aluminum	NA	NA	NA	**9540**		**8480**	
7440-36-0	Antimony	NA	NA	NA	3.37	U	3.69	U
7440-38-2	Arsenic	16	16	13	**4.18**		**2.52**	
7440-39-3	Barium	820	400	350	**70.9**		**71.8**	
7440-41-7	Beryllium	47	72	7.2	0.421	U	0.461	U
7440-43-9	Cadmium	7.5	4.3	2.5	**0.886**		**0.799**	
7440-70-2	Calcium	NA	NA	NA	**30600**	D	**34900**	D
7440-47-3	Chromium	NA	NA	NA	**18.2**		**16.5**	
7440-48-4	Cobalt	NA	NA	NA	**7.75**		**7.69**	
7440-50-8	Copper	1720	270	50	**31.7**		**27.6**	
7439-89-6	Iron	NA	NA	NA	**17900**		**16500**	
7439-92-1	Lead	450	400	63	**65.6**		**73.6**	
7439-95-4	Magnesium	NA	NA	NA	**10900**		**13700**	
7439-96-5	Manganese	2000	2000	1600	**307**		**363**	

Table 23
Endpoint Sample Results Summary
September 13, 2016 (EP-29 and EP-30)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601751					**Result**	**Q**	**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1601751-01**		**1601751-02**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-29**		**EP-30**	
Sample Depth (feet below grade surface)					**16**		**16**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/13/16**		**09/13/16**	
EPA Method SW846 8081/8082 (mg/kg)								
7440-02-0	Nickel	130	310	30	**15.6**		**14.2**	
7440-09-7	Potassium	NA	NA	NA	**1750**		**1720**	
7782-49-2	Selenium	4	180	3.9	3.37	U	3.69	U
7440-22-4	Silver	8.3	180	2	0.421	U	0.461	U
7440-23-5	Sodium	NA	NA	NA	**355**		**311**	
7440-28-0	Thallium	NA	NA	NA	1.26	U	1.38	U
7440-62-2	Vanadium	NA	NA	NA	**23.6**		**24.3**	
7440-66-6	Zinc	2480	10000	109	**74.5**		**68.9**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)								
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00153	U	0.00125	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00153	U	0.00125	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00153	U	0.00125	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00153	U	0.00125	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00153	U	0.00125	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00153	U	0.00125	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00153	U	0.00125	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00153	U	0.00125	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00153	U	0.00125	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00153	U	0.00125	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	**0.00890**		0.00125	U
96-12-8	1,2-Dibromo-3-chloropropan	NA	NA	NA	0.00153	U	0.00125	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00153	U	0.00125	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00153	U	0.00125	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00153	U	0.00125	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00153	U	0.00125	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	**0.00284**	J	0.00125	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00153	U	0.00125	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00153	U	0.00125	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00153	U	0.00125	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00153	U	0.00125	U
78-93-3	2-Butanone	0.12	100	0.12	**0.0110**		0.00125	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00153	U	0.00125	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00153	U	0.00125	U
591-78-6	2-Hexanone	NA	NA	NA	0.00153	U	0.00125	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00153	U	0.00125	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00153	U	0.00125	U
67-64-1	Acetone	0.05	100	0.05	**0.0910**		**0.0234**	
107-02-8	Acrolein	NA	NA	NA	0.00918	U	0.00750	U

Table 23
Endpoint Sample Results Summary
September 13, 2016 (EP-29 and EP-30)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601751					**Result**	**Q**	**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1601751-01**		**1601751-02**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-29**		**EP-30**	
Sample Depth (feet below grade surface)					**16**		**16**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/13/16**		**09/13/16**	
EPA Method SW846 8081/8082 (mg/kg)								
107-13-1	Acrylonitrile	NA	NA	NA	0.00306	U	0.00250	U
71-43-2	Benzene	0.06	4.8	0.06	0.00153	U	0.00125	U
108-86-1	Bromobenzene	NA	NA	NA	0.00153	U	0.00125	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00153	U	0.00125	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00153	U	0.00125	U
75-25-2	Bromoform	NA	NA	NA	0.00153	U	0.00125	U
74-83-9	Bromomethane	NA	NA	NA	0.00153	U	0.00125	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00153	U	0.00125	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00153	U	0.00125	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00153	U	0.00125	U
75-00-3	Chloroethane	NA	NA	NA	0.00153	U	0.00125	U
67-66-3	Chloroform	0.37	49	0.37	0.00153	U	0.00125	U
74-87-3	Chloromethane	NA	NA	NA	0.00153	U	0.00125	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00153	U	0.00125	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00153	U	0.00125	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00153	U	0.00125	U
74-95-3	Dibromomethane	NA	NA	NA	0.00153	U	0.00125	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00153	U	0.00125	U
100-41-4	Ethylbenzene	1	41	1	**0.00199**	J	0.00125	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00153	U	0.00125	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00153	U	0.00125	U
108-38-3/106-42-	m,p-Xylenes	0.8	50	0.13	**0.00916**		0.00250	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00153	U	0.00125	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00153	U	0.00125	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00153	U	0.00125	U
95-47-6	o-Xylene	0.8	50	0.13	**0.00444**	J	0.00250	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00153	U	0.00125	U
135-98-8	sec-Butylbenzene	11	100	11	0.00153	U	0.00125	U
100-42-5	Styrene	NA	NA	NA	0.00153	U	0.00125	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00153	U	0.00125	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00153	U	0.00125	U
108-88-3	Toluene	0.7	100	0.7	**0.00219**	J	0.00125	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00153	U	0.00125	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00153	U	0.00125	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00153	U	0.00125	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00153	U	0.00125	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00153	U	0.00125	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00153	U	0.00125	U

Table 23
Endpoint Sample Results Summary
September 13, 2016 (EP-29 and EP-30)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601751					**Result**	**Q**	**Result**	**Q**
Lab: Accredited Analytical Resources LLC					**1601751-01**		**1601751-02**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 E. 138th Street					**EP-29**		**EP-30**	
Sample Depth (feet below grade surface)					**16**		**16**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/13/16**		**09/13/16**	
EPA Method SW846 8081/8082 (mg/kg)								
Wet Chemistry (%)								
	Percent Solids	NA	NA	NA	**70.0**		**74.5**	
Wet Chemistry (mg/kg)								
1854-02-99	Chromium, Hexavalent	19	110	1	2.86	U	2.68	U
	Cyanide (total)	40	27	27	1.43	U	1.34	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**18.2**		**16.5**	

Notes:

NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)

NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)

NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)

RED = exceeds NYURU

Highlighted yellow = exceeds NYPGW

NA = no applicable standard

Bold = detected compounds

mg/kg = milligrams per kilograms

Qualifiers:

U - Indicates compound analyzed for but not detected

J - Indicates estimated value for TICs and all results when detected below the RL

D - Indicates result is based on a dilution

Table 24
Endpoint Sample Results Summary
September 16, 2016 (EP-31)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601783					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1601783-01**		**1601783-01RE1**	
Sample Depth (feet below grade surface):					**15**		**15**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-31**		**EP-31**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/16/16**		**09/16/16**	
EPA Method SW846 8081/8082 (mg/kg)								
72-54-8	4,4'-DDD	14	13	0.0033	0.00358	U	~	
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00358	U	~	
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00358	U	~	
309-00-2	Aldrin	0.19	0.097	0.005	0.00177	U	~	
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00177	U	~	
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00177	U	~	
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0446	U	~	
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0446	U	~	
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0446	U	~	
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0446	U	~	
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0446	U	~	
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0446	U	~	
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0446	U	~	
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0446	U	~	
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0446	U	~	
319-85-7	beta-BHC	0.09	0.36	0.036	0.00177	U	~	
319-86-8	delta-BHC	0.25	100	0.04	0.00177	U	~	
60-57-1	Dieldrin	0.1	0.2	0.005	0.00358	U	~	
959-98-8	Endosulfan I	102	24	2.4	0.00177	U	~	
33213-65-9	Endosulfan II	102	24	2.4	0.00358	U	~	
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00358	U	~	
72-20-8	Endrin	0.06	11	0.014	0.00358	U	~	
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00358	U	~	
53494-70-5	Endrin ketone	NA	NA	NA	0.00358	U	~	
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00177	U	~	
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00177	U	~	
76-44-8	Heptachlor	0.38	2.1	0.042	0.00177	U	~	
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00177	U	~	
72-43-5	Methoxychlor	NA	NA	NA	0.00538	U	~	
8001-35-2	Toxaphene	NA	NA	NA	0.0895	U	~	
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)								
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0895	U	~	
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0895	U	~	
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0895	U	~	
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0895	U	~	
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0895	U	~	
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0895	U	~	
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0895	U	~	
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0895	U	~	
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0895	U	~	
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0895	U	~	
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0895	U	~	
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0895	U	~	

Table 24
Endpoint Sample Results Summary
September 16, 2016 (EP-31)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601783					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1601783-01**		**1601783-01RE1**	
Sample Depth (feet below grade surface):					**15**		**15**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-31**		**EP-31**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/16/16**		**09/16/16**	
95-57-8	2-Chlorophenol	NA	NA	NA	0.0895	U	~	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0895	U	~	
95-48-7	2-Methylphenol	0.33	100	0.33	0.0895	U	~	
88-74-4	2-Nitroaniline	NA	NA	NA	0.0895	U	~	
88-75-5	2-Nitrophenol	NA	NA	NA	0.0895	U	~	
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	**0.254**	J	~	
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.223	U	~	
99-09-2	3-Nitroaniline	NA	NA	NA	0.0895	U	~	
534-52-1	4,6-Dinitro-2-methylphen	NA	NA	NA	0.0895	U	~	
101-55-3	4-Bromophenyl-phenyleth	NA	NA	NA	0.0895	U	~	
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0895	U	~	
106-47-8	4-Chloroaniline	NA	NA	NA	0.0895	U	~	
7005-72-3	4-Chlorophenyl-phenyleth	NA	NA	NA	0.0895	U	~	
100-01-6	4-Nitroaniline	NA	NA	NA	0.0895	U	~	
100-02-7	4-Nitrophenol	NA	NA	NA	0.0895	U	~	
83-32-9	Acenaphthene	98	100	20	0.0895	U	~	
208-96-8	Acenaphthylene	107	100	100	0.0895	U	~	
120-12-7	Anthracene	1000	100	100	**0.127**	J	~	
56-55-3	Benzo[a]anthracene	1	1	1	**0.453**		~	
50-32-8	Benzo[a]pyrene	22	1	1	**0.487**		~	
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.537**		~	
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.371**	J	~	
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.244**	J	~	
65-85-0	Benzoic acid	NA	NA	NA	0.223	U	~	
100-51-6	Benzyl alcohol	NA	NA	NA	0.0895	U	~	
111-91-1	bis(2-chloroethoxy)metha	NA	NA	NA	0.0895	U	~	
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0895	U	~	
39638-32-9	bis(2-chloroisopropyl)eth	NA	NA	NA	0.0895	U	~	
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0895	U	~	
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0895	U	~	
218-01-9	Chrysene	1	3.9	1	**0.483**		~	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0895	U	~	
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0895	U	~	
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0895	U	~	
132-64-9	Dibenzofuran	210	59	7	0.0895	U	~	
84-66-2	Diethyl phthalate	NA	NA	NA	0.0895	U	~	
131-11-3	Dimethylphthalate	NA	NA	NA	0.0895	U	~	
206-44-0	Fluoranthene	1000	100	100	**0.980**		~	
86-73-7	Fluorene	386	100	30	0.0895	U	~	
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0895	U	~	
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0895	U	~	
77-47-4	Hexachlorocyclopentadie	NA	NA	NA	0.0895	U	~	
67-72-1	Hexachloroethane	NA	NA	NA	0.0895	U	~	
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.308**	J	~	

Table 24
Endpoint Sample Results Summary
September 16, 2016 (EP-31)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601783					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1601783-01**		**1601783-01RE1**	
Sample Depth (feet below grade surface):					**15**		**15**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-31**		**EP-31**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/16/16**		**09/16/16**	
78-59-1	Isophorone	NA	NA	NA	0.0895	U	~	
621-64-7	N-Nitroso-di-n-propylami	NA	NA	NA	0.0895	U	~	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0895	U	~	
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0895	U	~	
91-20-3	Naphthalene	12	100	12	0.0895	U	~	
98-95-3	Nitrobenzene	NA	NA	NA	0.0895	U	~	
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0895	U	~	
85-01-8	Phenanthrene	1000	100	100	**0.505**		~	
108-95-2	Phenol	0.33	100	0.33	0.0895	U	~	
129-00-0	Pyrene	1000	100	100	**0.814**		~	
Total Mercury by SW846 7471 (mg/kg)								
7439-97-6	Mercury	0.73	0.81	0.18	0.202	U	~	
Total Metals by EPA Method SW846 6010 (mg/kg)								
7429-90-5	Aluminum	NA	NA	NA	**14900**		~	
7440-36-0	Antimony	NA	NA	NA	5.75	U	~	
7440-38-2	Arsenic	16	16	13	**4.85**		~	
7440-39-3	Barium	820	400	350	**104**		~	
7440-41-7	Beryllium	47	72	7.2	0.719	U	~	
7440-43-9	Cadmium	7.5	4.3	2.5	**0.902**		~	
7440-70-2	Calcium	NA	NA	NA	**132000**	D	~	
7440-47-3	Chromium	NA	NA	NA	**61.1**		~	
7440-48-4	Cobalt	NA	NA	NA	**8.69**		~	
7440-50-8	Copper	1720	270	50	**35.2**		~	
7439-89-6	Iron	NA	NA	NA	**18200**		~	
7439-92-1	Lead	450	400	63	**52.8**		~	
7439-95-4	Magnesium	NA	NA	NA	**7880**		~	
7439-96-5	Manganese	2000	2000	1600	**458**		~	
7440-02-0	Nickel	130	310	30	**21.1**		~	
7440-09-7	Potassium	NA	NA	NA	**2020**		~	
7782-49-2	Selenium	4	180	3.9	2.88	U	~	
7440-22-4	Silver	8.3	180	2	0.719	U	~	
7440-23-5	Sodium	NA	NA	NA	**753**		~	
7440-28-0	Thallium	NA	NA	NA	2.16	U	~	
7440-62-2	Vanadium	NA	NA	NA	**46.6**		~	
7440-66-6	Zinc	2480	10000	109	**123**		~	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)								
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00419	U	0.0837	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00419	U	0.0837	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00419	U	0.0837	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00419	U	0.0837	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00419	U	0.0837	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00419	U	0.0837	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00419	U	0.0837	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00419	U	0.0837	U

Table 24
Endpoint Sample Results Summary
September 16, 2016 (EP-31)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601783					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1601783-01**		**1601783-01RE1**	
Sample Depth (feet below grade surface):					**15**		**15**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-31**		**EP-31**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/16/16**		**09/16/16**	
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00419	U	0.0837	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00419	U	0.0837	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	**0.0360**		0.0837	U
96-12-8	1,2-Dibromo-3-chloropro	NA	NA	NA	0.00419	U	0.0837	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00419	U	0.0837	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00419	U	0.0837	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00419	U	0.0837	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00419	U	0.0837	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	**0.00846**		0.0837	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00419	U	0.0837	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00419	U	0.0837	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00419	U	0.0837	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00419	U	0.0837	U
78-93-3	2-Butanone	0.12	100	0.12	**0.453**		**0.529**	D
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00419	U	0.0837	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00419	U	0.0837	U
591-78-6	2-Hexanone	NA	NA	NA	0.00419	U	0.0837	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00419	U	0.0837	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00419	U	0.0837	U
67-64-1	Acetone	0.05	100	0.05	**2.29**	BE	**1.95**	D
107-02-8	Acrolein	NA	NA	NA	0.0251	U	0.502	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00837	U	0.167	U
71-43-2	Benzene	0.06	4.8	0.06	0.00419	U	0.0837	U
108-86-1	Bromobenzene	NA	NA	NA	0.00419	U	0.0837	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00419	U	0.0837	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00419	U	0.0837	U
75-25-2	Bromoform	NA	NA	NA	0.00419	U	0.0837	U
74-83-9	Bromomethane	NA	NA	NA	0.00419	U	0.0837	U
75-15-0	Carbon disulfide	NA	NA	NA	**0.0358**		0.0837	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00419	U	0.0837	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00419	U	0.0837	U
75-00-3	Chloroethane	NA	NA	NA	0.00419	U	0.0837	U
67-66-3	Chloroform	0.37	49	0.37	0.00419	U	0.0837	U
74-87-3	Chloromethane	NA	NA	NA	0.00419	U	0.0837	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00419	U	0.0837	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00419	U	0.0837	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00419	U	0.0837	U
74-95-3	Dibromomethane	NA	NA	NA	0.00419	U	0.0837	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00419	U	0.0837	U
100-41-4	Ethylbenzene	1	41	1	**0.00574**	J	0.0837	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00419	U	0.0837	U
98-82-8	Isopropylbenzene	NA	NA	NA	**0.00507**	J	0.0837	U
108-38-3/106-42	m,p-Xylenes	0.8	50	0.13	**0.0145**	J	0.167	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00419	U	0.0837	U

Table 24
Endpoint Sample Results Summary
September 16, 2016 (EP-31)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601783					Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1601783-01**		**1601783-01RE1**	
Sample Depth (feet below grade surface):					**15**		**15**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-31**		**EP-31**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**09/16/16**		**09/16/16**	
104-51-8	n-Butyl Benzene	NA	NA	12	**0.00896**		0.0837	U
103-65-1	n-Propyl Benzene	NA	NA	NA	**0.00775**	J	0.0837	U
95-47-6	o-Xylene	0.8	50	0.13	0.00837	U	0.167	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00419	U	0.0837	U
135-98-8	sec-Butylbenzene	11	100	11	**0.00766**	J	0.0837	U
100-42-5	Styrene	NA	NA	NA	0.00419	U	0.0837	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00419	U	0.0837	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00419	U	0.0837	U
108-88-3	Toluene	0.7	100	0.7	**0.00519**	J	0.0837	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00419	U	0.0837	U
10061-02-6	trans-1,3-Dichloropropen	NA	NA	NA	0.00419	U	0.0837	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00419	U	0.0837	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00419	U	0.0837	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00419	U	0.0837	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00419	U	0.0837	U
Wet Chemistry (%)								
	Percent Solids	NA	NA	NA	**37.2**			
Wet Chemistry (mg/kg)								
1854-02-99	Chromium, Hexavalent	19	110	1	5.38	U		
	Cyanide (total)	40	27	27	2.69	U		
16065-83-1	Trivalent Chromium	NA	NA	NA	**61.1**			

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 200
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted yellow = exceeds NYPGW
NA = no applicable standard
~ = compound not analyzed
Bold = detected compounds
mg/kg = milligrams per kilograms

Qualifiers:
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
D - Indicates result is based on a dilution
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank

Table 25
Endpoint Sample Results Summary
November 7, 2016 (EP-32, EP-33, and DUP-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602114					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602114-01**		**1602114-02**		**1602114-02RE1**		**1602114-03**		**1602114-03RE1**	
Sample Depth (feet below grade surface):					**15-15.5**		**9.5-10**		**9.5-10**		**9.5-10**		**9.5-10**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-32**		**EP-33**		**EP-33**		**DUP-1**		**DUP-1**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**	
EPA Method SW846 8081/8082 (mg/kg)														
72-54-8	4,4'-DDD	14	13	0.0033	0.00493	U	0.00154	U	~		0.00152	U	~	
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00493	U	0.00154	U	~		0.00152	U	~	
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00493	U	0.00154	U	~		0.00152	U	~	
309-00-2	Aldrin	0.19	0.097	0.005	0.00244	U	0.000763	U	~		0.000755	U	~	
319-84-6	alpha-BHC	0.02	0.48	0.02	0.00244	U	0.000763	U	~		0.000755	U	~	
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.00244	U	0.000763	U	~		0.000755	U	~	
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0615	U	0.0192	U	~		0.0190	U	~	
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0615	U	0.0192	U	~		0.0190	U	~	
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0615	U	0.0192	U	~		0.0190	U	~	
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0615	U	0.0192	U	~		0.0190	U	~	
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0615	U	0.0192	U	~		0.0190	U	~	
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0615	U	0.0192	U	~		0.0190	U	~	
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0615	U	0.0192	U	~		0.0190	U	~	
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0615	U	0.0192	U	~		0.0190	U	~	
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0615	U	0.0192	U	~		0.0190	U	~	
319-85-7	beta-BHC	0.09	0.36	0.036	0.00244	U	0.000763	U	~		0.000755	U	~	
319-86-8	delta-BHC	0.25	100	0.04	0.00244	U	0.000763	U	~		0.000755	U	~	
60-57-1	Dieldrin	0.1	0.2	0.005	0.00493	U	0.00154	U	~		0.00152	U	~	
959-98-8	Endosulfan I	102	24	2.4	0.00244	U	0.000763	U	~		0.000755	U	~	
33213-65-9	Endosulfan II	102	24	2.4	0.00493	U	0.00154	U	~		0.00152	U	~	
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00493	U	0.00154	U	~		0.00152	U	~	
72-20-8	Endrin	0.06	11	0.014	0.00493	U	0.00154	U	~		0.00152	U	~	
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00493	U	0.00154	U	~		0.00152	U	~	
53494-70-5	Endrin ketone	NA	NA	NA	0.00493	U	0.00154	U	~		0.00152	U	~	
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.00244	U	0.000763	U	~		0.000755	U	~	
5566-34-7	gamma-Chlordane	NA	NA	NA	0.00244	U	0.000763	U	~		0.000755	U	~	
76-44-8	Heptachlor	0.38	2.1	0.042	0.00244	U	0.000763	U	~		0.000755	U	~	
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.00244	U	0.000763	U	~		0.000755	U	~	
72-43-5	Methoxychlor	NA	NA	NA	0.00741	U	0.00231	U	~		0.00229	U	~	
8001-35-2	Toxaphene	NA	NA	NA	0.123	U	0.0385	U	~		0.0381	U	~	

Table 25
Endpoint Sample Results Summary
November 7, 2016 (EP-32, EP-33, and DUP-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602114					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602114-01**		**1602114-02**		**1602114-02RE1**		**1602114-03**		**1602114-03RE1**	
Sample Depth (feet below grade surface):					**15-15.5**		**9.5-10**		**9.5-10**		**9.5-10**		**9.5-10**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-32**		**EP-33**		**EP-33**		**DUP-1**		**DUP-1**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**	
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)														
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
95-57-8	2-Chlorophenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.123	U	**10.2**	E	**11.3**	D	**1.14**		~	
95-48-7	2-Methylphenol	0.33	100	0.33	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
88-74-4	2-Nitroaniline	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
88-75-5	2-Nitrophenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.307	U	0.0960	U	0.960	U	0.0950	U	~	
99-09-2	3-Nitroaniline	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
106-47-8	4-Chloroaniline	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
100-01-6	4-Nitroaniline	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
100-02-7	4-Nitrophenol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
83-32-9	Acenaphthene	98	100	20	0.123	U	**0.0427**	J	0.385	U	0.0381	U	~	
208-96-8	Acenaphthylene	107	100	100	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
120-12-7	Anthracene	1000	100	100	**0.141**	J	**0.0535**	J	0.385	U	0.0381	U	~	

Table 25
Endpoint Sample Results Summary
November 7, 2016 (EP-32, EP-33, and DUP-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602114					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602114-01**		**1602114-02**		**1602114-02RE1**		**1602114-03**		**1602114-03RE1**	
Sample Depth (feet below grade surface):					**15-15.5**		**9.5-10**		**9.5-10**		**9.5-10**		**9.5-10**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-32**		**EP-33**		**EP-33**		**DUP-1**		**DUP-1**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**	
56-55-3	Benzo[a]anthracene	1	1	1	**0.431**	J	**0.0506**	J	0.385	U	0.0381	U	~	
50-32-8	Benzo[a]pyrene	22	1	1	**0.420**	J	0.0385	U	0.385	U	0.0381	U	~	
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.520**	J	0.0385	U	0.385	U	0.0381	U	~	
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.294**	J	0.0385	U	0.385	U	0.0381	U	~	
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.174**	J	0.0385	U	0.385	U	0.0381	U	~	
65-85-0	Benzoic acid	NA	NA	NA	0.307	U	0.0960	U	0.960	U	0.0950	U	~	
100-51-6	Benzyl alcohol	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
218-01-9	Chrysene	1	3.9	1	**0.482**	J	**0.0484**	J	0.385	U	0.0381	U	~	
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
132-64-9	Dibenzofuran	210	59	7	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
84-66-2	Diethyl phthalate	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
131-11-3	Dimethylphthalate	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
206-44-0	Fluoranthene	1000	100	100	**0.959**		**0.114**	J	0.385	U	0.0381	U	~	
86-73-7	Fluorene	386	100	30	0.123	U	**0.113**	J	0.385	U	0.0381	U	~	
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
67-72-1	Hexachloroethane	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.261**	J	0.0385	U	0.385	U	0.0381	U	~	
78-59-1	Isophorone	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
91-20-3	Naphthalene	12	100	12	0.123	U	**10.3**	E	**14.2**	D	**1.19**		~	

Table 25
Endpoint Sample Results Summary
November 7, 2016 (EP-32, EP-33, and DUP-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602114					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602114-01**		**1602114-02**		**1602114-02RE1**		**1602114-03**		**1602114-03RE1**	
Sample Depth (feet below grade surface):					**15-15.5**		**9.5-10**		**9.5-10**		**9.5-10**		**9.5-10**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-32**		**EP-33**		**EP-33**		**DUP-1**		**DUP-1**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**	
98-95-3	Nitrobenzene	NA	NA	NA	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
85-01-8	Phenanthrene	1000	100	100	**0.815**		**0.215**		0.385	U	0.0381	U	~	
108-95-2	Phenol	0.33	100	0.33	0.123	U	0.0385	U	0.385	U	0.0381	U	~	
129-00-0	Pyrene	1000	100	100	**1.09**		**0.116**	J	0.385	U	0.0381	U	~	
Total Mercury by SW846 7471 (mg/kg)														
7439-97-6	Mercury	0.73	0.81	0.18	0.278	U	0.0867	U	~		0.0858	U	~	
Total Metals by EPA Method SW846 6010 (mg/kg)														
7429-90-5	Aluminum	NA	NA	NA	**13000**		**7210**		~		**6580**		~	
7440-36-0	Antimony	NA	NA	NA	13.4	U	3.64	U	~		3.65	U	~	
7440-38-2	Arsenic	16	16	13	**5.44**		**1.08**		~		**0.958**		~	
7440-39-3	Barium	820	400	350	**74.8**		**41.7**		~		**38.2**		~	
7440-41-7	Beryllium	47	72	7.2	1.68	U	0.456	U	~		0.457	U	~	
7440-43-9	Cadmium	7.5	4.3	2.5	1.68	U	0.456	U	~		0.457	U	~	
7440-70-2	Calcium	NA	NA	NA	**8850**		**8550**		~		**8710**		~	
7440-47-3	Chromium	NA	NA	NA	**24.8**		**16.1**		~		**14.3**		~	
7440-48-4	Cobalt	NA	NA	NA	16.8	U	**7.27**		~		**7.10**		~	
7440-50-8	Copper	1720	270	50	**25.7**		**18.2**		~		**17.1**		~	
7439-89-6	Iron	NA	NA	NA	**20600**		**15800**	D	~		**15600**	D	~	
7439-92-1	Lead	450	400	63	**38.9**		**7.79**		~		**8.52**		~	
7439-95-4	Magnesium	NA	NA	NA	**6320**		**7720**		~		**7580**		~	
7439-96-5	Manganese	2000	2000	1600	**167**		**415**		~		**556**		~	
7440-02-0	Nickel	130	310	30	**16.0**		**12.9**		~		**11.1**		~	
7440-09-7	Potassium	NA	NA	NA	**1810**		**1690**		~		**1530**		~	
7782-49-2	Selenium	4	180	3.9	13.4	U	3.64	U	~		3.65	U	~	
7440-22-4	Silver	8.3	180	2	1.68	U	0.456	U	~		0.457	U	~	
7440-23-5	Sodium	NA	NA	NA	**3520**		**185**		~		**180**		~	
7440-28-0	Thallium	NA	NA	NA	5.04	U	1.37	U	~		1.37	U	~	
7440-62-2	Vanadium	NA	NA	NA	**37.5**		**27.5**		~		**23.7**		~	
7440-66-6	Zinc	2480	10000	109	**76.3**		**43.0**		~		**41.1**		~	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)														

Table 25
Endpoint Sample Results Summary
November 7, 2016 (EP-32, EP-33, and DUP-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602114					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602114-01**		**1602114-02**		**1602114-02RE1**		**1602114-03**		**1602114-03RE1**	
Sample Depth (feet below grade surface):					**15-15.5**		**9.5-10**		**9.5-10**		**9.5-10**		**9.5-10**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-32**		**EP-33**		**EP-33**		**DUP-1**		**DUP-1**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**	
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00553	U	0.000980	U	~		**0.0423**	JD	0.114	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00553	U	0.000980	U	~		**0.117**	D	0.114	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
78-93-3	2-Butanone	0.12	100	0.12	**0.0444**		0.000980	U	~		0.0229	U	0.114	U
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
591-78-6	2-Hexanone	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
67-64-1	Acetone	0.05	100	0.05	**0.129**	B	**0.0214**		~		0.0229	U	0.114	U
107-02-8	Acrolein	NA	NA	NA	0.0332	U	0.00588	U	~		0.137	U	0.686	U
107-13-1	Acrylonitrile	NA	NA	NA	0.0111	U	0.00196	U	~		0.0458	U	0.229	U
71-43-2	Benzene	0.06	4.8	0.06	0.00553	U	0.000980	U	~		0.0229	U	0.114	U

Table 25
Endpoint Sample Results Summary
November 7, 2016 (EP-32, EP-33, and DUP-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602114					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602114-01**		**1602114-02**		**1602114-02RE1**		**1602114-03**		**1602114-03RE1**	
Sample Depth (feet below grade surface):					**15-15.5**		**9.5-10**		**9.5-10**		**9.5-10**		**9.5-10**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-32**		**EP-33**		**EP-33**		**DUP-1**		**DUP-1**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**	
108-86-1	Bromobenzene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-25-2	Bromoform	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
74-83-9	Bromomethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-00-3	Chloroethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
67-66-3	Chloroform	0.37	49	0.37	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
74-87-3	Chloromethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
74-95-3	Dibromomethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
100-41-4	Ethylbenzene	1	41	1	0.00553	U	**0.0130**		~		**0.397**	D	0.114	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00553	U	**0.0373**		~		**1.92**	D	0.114	U
108-38-3/106-	m,p-Xylenes	0.8	50	0.13	0.0111	U	0.00196	U	~		0.0458	U	0.229	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00553	U	**0.0126**		~		**2.77**	D	0.114	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00553	U	**0.103**		~		**7.15**	DE	**6.64**	D
95-47-6	o-Xylene	0.8	50	0.13	0.0111	U	0.00196	U	~		0.0458	U	0.229	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00553	U	0.000980	U	~		**0.234**	D	0.114	U
135-98-8	sec-Butylbenzene	11	100	11	0.00553	U	0.000980	U	~		**1.14**	D	0.114	U
100-42-5	Styrene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
108-88-3	Toluene	0.7	100	0.7	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00553	U	0.000980	U	~		0.0229	U	0.114	U

Table 25
Endpoint Sample Results Summary
November 7, 2016 (EP-32, EP-33, and DUP-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602114					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602114-01**		**1602114-02**		**1602114-02RE1**		**1602114-03**		**1602114-03RE1**	
Sample Depth (feet below grade surface):					**15-15.5**		**9.5-10**		**9.5-10**		**9.5-10**		**9.5-10**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-32**		**EP-33**		**EP-33**		**DUP-1**		**DUP-1**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**		**11/07/16**	
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00553	U	0.000980	U	~		0.0229	U	0.114	U
Wet Chemistry (%)														
	Percent Solids	NA	NA	NA	**27.0**		**86.5**		~		**87.4**		~	
Wet Chemistry (mg/kg)														
1854-02-99	Chromium, Hexavalent	19	110	1	7.41	U	2.31	U	~		2.29	U	~	
	Cyanide (total)	40	27	27	3.70	U	1.16	U	~		1.14	U	~	
16065-83-1	Trivalent Chromium	NA	NA	NA	**24.8**		**16.1**		~		**14.3**		~	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted gray = Compound was not detected, but the Method Detection Limit (MDL) was above the NYURU SCOs. According to the laboratory, the elevated Selenium MDLs are due to the high moisture content of the sample matricies
NA = no applicable standard
~ = compound not analyzed
Bold = detected compounds
mg/kg = milligrams per kilograms

Qualifiers:
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
D - Indicates result is based on a dilution
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank

Table 26
Endpoint Sample Results Summary
December 2, 2016 (EP-34 - EP-40 and DUP-2)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602245					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602245-01**		**1602245-02**		**1602245-03**		**1602245-04**		**1602245-05**		**1602245-06**		**1602245-06RE1**		**1602245-07**		**1602245-08**	
Sample Depth (feet below gradue surface):					**3-3.5**		**3-3.5**		**4-4.5**		**5-5.5**		**4-4.5**		**5-5.5**		**5-5.5**		**6-6.5**		**6-6.5**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-34**		**EP-35**		**EP-36**		**EP-37**		**EP-38**		**EP-39**		**EP-39**		**EP-40**		**DUP-2**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**	
EPA Method SW846 8081/8082 (mg/kg)																						
72-54-8	4,4'-DDD	14	13	0.0033	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
72-55-9	4,4'-DDE	17	8.9	0.0033	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
50-29-3	4,4'-DDT	136	7.9	0.0033	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
309-00-2	Aldrin	0.19	0.097	0.005	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
319-84-6	alpha-BHC	0.02	0.48	0.02	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
5103-71-9	alpha-Chlordane	2.9	4.2	0.094	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
12674-11-2	Aroclor-1016	3.2	1	0.1	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
11104-28-2	Aroclor-1221	3.2	1	0.1	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
11141-16-5	Aroclor-1232	3.2	1	0.1	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
53469-21-9	Aroclor-1242	3.2	1	0.1	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
12672-29-6	Aroclor-1248	3.2	1	0.1	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
11097-69-1	Aroclor-1254	3.2	1	0.1	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
11096-82-5	Aroclor-1260	3.2	1	0.1	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
37324-23-5	Aroclor-1262	3.2	NA	NA	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
11100-14-4	Aroclor-1268	3.2	NA	NA	0.0209	U	0.0216	U	0.0209	U	0.0208	U	0.0200	U	0.0203	U	~		0.0191	U	0.0193	U
319-85-7	beta-BHC	0.09	0.36	0.036	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
319-86-8	delta-BHC	0.25	100	0.04	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
60-57-1	Dieldrin	0.1	0.2	0.005	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
959-98-8	Endosulfan I	102	24	2.4	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
33213-65-9	Endosulfan II	102	24	2.4	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
1031-07-8	Endosulfan sulfate	1000	24	2.4	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
72-20-8	Endrin	0.06	11	0.014	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
7421-93-4	Endrin aldehyde	NA	NA	NA	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
53494-70-5	Endrin ketone	NA	NA	NA	0.00168	U	0.00173	U	0.00168	U	0.00166	U	0.00160	U	0.00162	U	~		0.00153	U	0.00154	U
58-89-9	gamma-BHC [Lindane]	0.1	NA	NA	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
5566-34-7	gamma-Chlordane	NA	NA	NA	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
76-44-8	Heptachlor	0.38	2.1	0.042	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
1024-57-3	Heptachlor Epoxide	NA	NA	NA	0.000831	U	0.000860	U	0.000831	U	0.000825	U	0.000793	U	0.000806	U	~		0.000758	U	0.000767	U
72-43-5	Methoxychlor	NA	NA	NA	0.00252	U	0.00261	U	0.00252	U	0.00250	U	0.00240	U	0.00244	U	~		0.00230	U	0.00232	U
8001-35-2	Toxaphene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	~		0.0382	U	0.0387	U
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)																						
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U

Table 26
Endpoint Sample Results Summary
December 2, 2016 (EP-34 - EP-40 and DUP-2)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602245					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602245-01**		**1602245-02**		**1602245-03**		**1602245-04**		**1602245-05**		**1602245-06**		**1602245-06RE1**		**1602245-07**		**1602245-08**	
Sample Depth (feet below gradue surface):					**3-3.5**		**3-3.5**		**4-4.5**		**5-5.5**		**4-4.5**		**5-5.5**		**5-5.5**		**6-6.5**		**6-6.5**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-34**		**EP-35**		**EP-36**		**EP-37**		**EP-38**		**EP-39**		**EP-39**		**EP-40**		**DUP-2**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**	
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
120-83-2	2,4-Dichlorophenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
105-67-9	2,4-Dimethylphenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	**0.114**	J	0.813	U	0.0382	U	0.0387	U
51-28-5	2,4-Dinitrophenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
606-20-2	2,6-Dinitrotoluene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
91-58-7	2-Chloronaphthalene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
95-57-8	2-Chlorophenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
91-57-6	2-Methylnaphthylene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	**4.47**		**4.97**	D	0.0382	U	0.0387	U
95-48-7	2-Methylphenol	0.33	100	0.33	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	**0.0901**	J	0.813	U	0.0382	U	0.0387	U
88-74-4	2-Nitroaniline	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
88-75-5	2-Nitrophenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
106-44-5	3 & 4-Methylphenol	0.33	100	0.33	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	**0.222**		0.813	U	0.0382	U	0.0387	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	NA	0.105	U	0.108	U	0.105	U	0.104	U	0.0998	U	0.101	U	2.03	U	0.0953	U	0.0964	U
99-09-2	3-Nitroaniline	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
106-47-8	4-Chloroaniline	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
100-01-6	4-Nitroaniline	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
100-02-7	4-Nitrophenol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
83-32-9	Acenaphthene	98	100	20	**0.0484**	J	0.0434	U	**0.0852**	J	0.0416	U	0.0400	U	**5.53**	E	**7.08**	D	0.0382	U	0.0387	U
208-96-8	Acenaphthylene	107	100	100	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	**0.235**		0.813	U	0.0382	U	0.0387	U
120-12-7	Anthracene	1000	100	100	**0.133**	J	**0.107**	J	**0.192**	J	**0.0922**	J	0.0400	U	**9.42**	E	**11.6**	D	0.0382	U	0.0387	U
56-55-3	Benzo[a]anthracene	1	1	1	**0.390**		**0.221**		**0.406**		**0.209**		0.0400	U	**21.9**	E	**19.8**	D	0.0382	U	**0.0583**	J
50-32-8	Benzo[a]pyrene	22	1	1	**0.386**		**0.210**	J	**0.348**		**0.202**	J	0.0400	U	**15.6**	E	**15.7**	D	0.0382	U	**0.0535**	J
205-99-2	Benzo[b]fluoranthene	1.7	1	1	**0.643**		**0.263**		**0.453**		**0.256**		0.0400	U	**30.9**	E	**27.5**	D	0.0382	U	**0.0633**	J
191-24-2	Benzo[ghi]perylene	1000	100	100	**0.0759**	J	**0.0999**	J	**0.118**	J	**0.0706**	J	0.0400	U	**3.78**		**4.66**	D	0.0382	U	0.0387	U
207-08-9	Benzo[k]fluoranthene	1.7	3.9	0.8	**0.198**	J	**0.0844**	J	**0.146**	J	**0.0856**	J	0.0400	U	**7.45**	E	**8.26**	D	0.0382	U	0.0387	U
65-85-0	Benzoic acid	NA	NA	NA	0.105	U	0.108	U	0.105	U	0.104	U	0.0998	U	0.101	U	2.03	U	0.0953	U	0.0964	U
100-51-6	Benzyl alcohol	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
85-68-7	Butylbenzylphthalate	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U

Table 26
Endpoint Sample Results Summary
December 2, 2016 (EP-34 - EP-40 and DUP-2)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602245					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602245-01**		**1602245-02**		**1602245-03**		**1602245-04**		**1602245-05**		**1602245-06**		**1602245-06RE1**		**1602245-07**		**1602245-08**	
Sample Depth (feet below gradue surface):					**3-3.5**		**3-3.5**		**4-4.5**		**5-5.5**		**4-4.5**		**5-5.5**		**5-5.5**		**6-6.5**		**6-6.5**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-34**		**EP-35**		**EP-36**		**EP-37**		**EP-38**		**EP-39**		**EP-39**		**EP-40**		**DUP-2**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**	
218-01-9	Chrysene	1	3.9	1	**0.403**		**0.237**		**0.415**		**0.218**		0.0400	U	**14.4**	E	**18.9**	D	0.0382	U	**0.0619**	J
84-74-2	Di-n-butyl phthalate	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
117-84-0	Di-n-octyl phthalate	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
53-70-3	Dibenzo(a,h)anthracene	1000	0.33	0.33	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	**1.36**		0.813	U	0.0382	U	0.0387	U
132-64-9	Dibenzofuran	210	59	7	0.0419	U	0.0434	U	**0.0555**	J	0.0416	U	0.0400	U	**6.21**	E	**7.82**	D	0.0382	U	0.0387	U
84-66-2	Diethyl phthalate	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
131-11-3	Dimethylphthalate	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
206-44-0	Fluoranthene	1000	100	100	**0.924**		**0.572**		**1.03**		**0.530**		0.0400	U	**36.6**	E	**41.9**	D	**0.0568**	J	**0.143**	J
86-73-7	Fluorene	386	100	30	**0.0610**	J	**0.0515**	J	**0.0891**	J	**0.0468**	J	0.0400	U	**6.94**	E	**8.97**	D	0.0382	U	0.0387	U
118-74-1	Hexachlorobenzene	3.2	1.2	0.33	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
67-72-1	Hexachloroethane	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	**0.0835**	J	**0.0884**	J	**0.116**	J	**0.0721**	J	0.0400	U	**3.76**		**4.77**	D	0.0382	U	0.0387	U
78-59-1	Isophorone	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
62-75-9	N-Nitrosodimethylamine	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
91-20-3	Naphthalene	12	100	12	0.0419	U	**0.0472**	J	0.0419	U	0.0416	U	0.0400	U	**11.1**	E	**16.6**	D	0.0382	U	0.0387	U
98-95-3	Nitrobenzene	NA	NA	NA	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
87-86-5	Pentachlorophenol	0.8	6.7	0.8	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
85-01-8	Phenanthrene	1000	100	100	**0.666**		**0.512**		**0.965**		**0.438**		0.0400	U	**40.2**	E	**59.1**	D	0.0382	U	**0.0964**	J
108-95-2	Phenol	0.33	100	0.33	0.0419	U	0.0434	U	0.0419	U	0.0416	U	0.0400	U	0.0407	U	0.813	U	0.0382	U	0.0387	U
129-00-0	Pyrene	1000	100	100	**0.820**		**0.452**		**0.811**		**0.407**		0.0400	U	**47.3**	E	**88.8**	D	**0.0471**	J	**0.113**	J
Total Mercury by SW846 7471 (mg/kg)																						
7439-97-6	Mercury	0.73	0.81	0.18	**0.215**		**0.223**		**0.202**		**0.269**		0.0901	U	**0.237**		~		0.0861	U	**0.0883**	
Total Metals by EPA Method SW846 6010 (mg/kg)																						
7429-90-5	Aluminum	NA	NA	NA	**10600**		**11100**		**12000**		**11200**		**11500**		**10300**		~		**9890**		**10600**	
7440-36-0	Antimony	NA	NA	NA	3.62	U	5.10	U	4.10	U	4.51	U	3.63	U	4.65	U	~		3.71	U	4.10	U
7440-38-2	Arsenic	16	16	13	**2.28**		**2.84**		**1.73**		**2.11**		0.908	U	**2.30**		~		**1.56**		**1.73**	
7440-39-3	Barium	820	400	350	**76.9**		**76.7**		**52.5**		**69.9**		**52.5**		**72.2**		~		**55.1**		**42.9**	
7440-41-7	Beryllium	47	72	7.2	**0.492**		0.637	U	0.512	U	0.564	U	**0.526**		0.581	U	~		0.463	U	0.513	U
7440-43-9	Cadmium	7.5	4.3	2.5	**1.35**		**1.27**		**0.770**		**1.15**		**0.695**		**1.06**		~		**0.913**		**0.554**	
7440-70-2	Calcium	NA	NA	NA	**13200**		**6920**		**3580**		**7290**		**1150**		**6750**		~		**3270**		**1380**	
7440-47-3	Chromium	NA	NA	NA	**21.0**		**20.8**		**21.1**		**21.5**		**21.3**		**19.8**		~		**18.4**		**17.5**	
7440-48-4	Cobalt	NA	NA	NA	**9.53**		**9.86**		**8.71**		**9.88**		**10.7**		**9.73**		~		**10.2**		**11.1**	
7440-50-8	Copper	1720	270	50	**46.1**		**46.0**		**24.8**		**48.3**		**19.8**		**44.3**		~		**30.7**		**18.3**	

Table 26
Endpoint Sample Results Summary
December 2, 2016 (EP-34 - EP-40 and DUP-2)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602245					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602245-01**		**1602245-02**		**1602245-03**		**1602245-04**		**1602245-05**		**1602245-06**		**1602245-06RE1**		**1602245-07**		**1602245-08**	
Sample Depth (feet below gradue surface):					**3-3.5**		**3-3.5**		**4-4.5**		**5-5.5**		**4-4.5**		**5-5.5**		**5-5.5**		**6-6.5**		**6-6.5**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-34**		**EP-35**		**EP-36**		**EP-37**		**EP-38**		**EP-39**		**EP-39**		**EP-40**		**DUP-2**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**	
7439-89-6	Iron	NA	NA	NA	**24100**	D	**27100**	D	**20600**	D	**24900**	D	**19800**	D	**23200**	D	~		**21400**	D	**18000**	D
7439-92-1	Lead	450	400	63	**169**		**134**		**48.8**		**174**		**17.3**		**162**		~		**63.6**		**31.8**	
7439-95-4	Magnesium	NA	NA	NA	**7500**		**5830**		**5090**		**6270**		**4790**		**6280**		~		**5080**		**4270**	
7439-96-5	Manganese	2000	2000	1600	**400**		**411**		**389**		**466**		**360**		**401**		~		**412**		**227**	
7440-02-0	Nickel	130	310	30	**18.3**		**18.7**		**15.7**		**17.6**		**17.3**		**17.4**		~		**17.2**		**16.4**	
7440-09-7	Potassium	NA	NA	NA	**1540**		**1490**		**1230**		**1530**		**1760**		**1530**		~		**1440**		**1110**	
7782-49-2	Selenium	4	180	3.9	3.62	U	2.55	U	2.05	U	2.26	U	3.63	U	2.32	U	~		3.71	U	2.05	U
7440-22-4	Silver	8.3	180	2	0.453	U	0.637	U	0.512	U	0.564	U	0.454	U	0.581	U	~		0.463	U	0.513	U
7440-23-5	Sodium	NA	NA	NA	**275**		**283**		**227**		**279**		**126**		**239**		~		**129**		**138**	
7440-28-0	Thallium	NA	NA	NA	1.36	U	1.91	U	1.54	U	1.69	U	1.36	U	1.74	U	~		1.39	U	1.54	U
7440-62-2	Vanadium	NA	NA	NA	**30.6**		**30.7**		**28.3**		**29.7**		**33.8**		**29.0**		~		**25.9**		**22.7**	
7440-66-6	Zinc	2480	10000	109	**150**		**151**		**92.3**		**127**		**61.3**		**131**		~		**100**		**55.6**	
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)																						
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
71-55-6	1,1,1-Trichloroethane	0.68	100	0.68	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
79-00-5	1,1,2-Trichloroethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-34-3	1,1-Dichloroethane	0.27	26	0.27	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-35-4	1,1-Dichloroethene	0.33	100	0.33	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
563-58-6	1,1-Dichloropropene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
96-18-4	1,2,3-Trichloropropane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
95-63-6	1,2,4-Trimethylbenzene	3.6	52	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
106-93-4	1,2-Dibromoethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
95-50-1	1,2-Dichlorobenzene	1.1	100	1.1	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
107-06-2	1,2-Dichloroethane	0.02	3.1	0.02	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
78-87-5	1,2-Dichloropropane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
108-67-8	1,3,5-Trimethylbenzene	8.4	NA	8.4	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
541-73-1	1,3-Dichlorobenzene	2.4	49	2.4	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
142-28-9	1,3-Dichloropropane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
106-46-7	1,4-Dichlorobenzene	1.8	13	1.8	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
590-20-7	2,2-Dichloropropane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
78-93-3	2-Butanone	0.12	100	0.12	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	**0.00522**	
110-75-8	2-Chloroethyl vinyl ether	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
95-49-8	2-Chlorotoluene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U

Table 26
Endpoint Sample Results Summary
December 2, 2016 (EP-34 - EP-40 and DUP-2)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602245					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602245-01**		**1602245-02**		**1602245-03**		**1602245-04**		**1602245-05**		**1602245-06**		**1602245-06RE1**		**1602245-07**		**1602245-08**	
Sample Depth (feet below gradue surface):					**3-3.5**		**3-3.5**		**4-4.5**		**5-5.5**		**4-4.5**		**5-5.5**		**5-5.5**		**6-6.5**		**6-6.5**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-34**		**EP-35**		**EP-36**		**EP-37**		**EP-38**		**EP-39**		**EP-39**		**EP-40**		**DUP-2**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**	
591-78-6	2-Hexanone	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
106-43-4	4-Chlorotoluene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
108-10-1	4-Methyl-2-pentanone	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
67-64-1	Acetone	0.05	100	0.05	**0.00717**		0.00117	U	0.00126	U	0.00118	U	**0.00185**		0.00112	U	~		**0.00659**		**0.0182**	
107-02-8	Acrolein	NA	NA	NA	0.00720	U	0.00705	U	0.00754	U	0.00710	U	0.00556	U	0.00672	U	~		0.00560	U	0.00556	U
107-13-1	Acrylonitrile	NA	NA	NA	0.00240	U	0.00235	U	0.00251	U	0.00237	U	0.00185	U	0.00224	U	~		0.00187	U	0.00185	U
71-43-2	Benzene	0.06	4.8	0.06	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
108-86-1	Bromobenzene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
74-97-5	Bromochloromethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-27-4	Bromodichloromethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-25-2	Bromoform	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
74-83-9	Bromomethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-15-0	Carbon disulfide	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
56-23-5	Carbon Tetrachloride	0.76	2.4	0.76	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
108-90-7	Chlorobenzene	1.1	100	1.1	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-00-3	Chloroethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
67-66-3	Chloroform	0.37	49	0.37	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
74-87-3	Chloromethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.25	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
10061-01-5	cis-1,3-Dichloropropene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
124-48-1	Dibromochloromethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
74-95-3	Dibromomethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-71-8	Dichlorodifluoromethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
100-41-4	Ethylbenzene	1	41	1	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
87-68-3	Hexachlorobutadiene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
98-82-8	Isopropylbenzene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
108-38-3/106-	m,p-Xylenes	0.8	50	0.13	0.00240	U	0.00235	U	0.00251	U	0.00237	U	0.00185	U	0.00224	U	~		0.00187	U	0.00185	U
75-09-2	Methylene Chloride	0.05	100	0.05	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
104-51-8	n-Butyl Benzene	NA	NA	12	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
103-65-1	n-Propyl Benzene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
95-47-6	o-Xylene	0.8	50	0.13	0.00240	U	0.00235	U	0.00251	U	0.00237	U	0.00185	U	0.00224	U	~		0.00187	U	0.00185	U
99-87-6	p-Isopropyltoluene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
135-98-8	sec-Butylbenzene	11	100	11	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
100-42-5	Styrene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
98-06-6	tert-Butylbenzene	5.9	100	5.9	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
127-18-4	Tetrachloroethene	1.3	19	1.3	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
108-88-3	Toluene	0.7	100	0.7	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U

Table 26
Endpoint Sample Results Summary
December 2, 2016 (EP-34 - EP-40 and DUP-2)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1602245					Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC					**1602245-01**		**1602245-02**		**1602245-03**		**1602245-04**		**1602245-05**		**1602245-06**		**1602245-06RE1**		**1602245-07**		**1602245-08**	
Sample Depth (feet below gradue surface):					**3-3.5**		**3-3.5**		**4-4.5**		**5-5.5**		**4-4.5**		**5-5.5**		**5-5.5**		**6-6.5**		**6-6.5**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street					**EP-34**		**EP-35**		**EP-36**		**EP-37**		**EP-38**		**EP-39**		**EP-39**		**EP-40**		**DUP-2**	
CAS#	**Compound**	**NYPGW**	**NYRRES**	**NYURU**	**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**		**12/02/16**	
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.19	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
10061-02-6	trans-1,3-Dichloropropene	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
79-01-6	Trichloroethene	0.47	21	0.47	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-69-4	Trichlorofluoromethane	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
108-05-4	Vinyl acetate	NA	NA	NA	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
75-01-4	Vinyl chloride	0.02	0.9	0.02	0.00120	U	0.00117	U	0.00126	U	0.00118	U	0.000927	U	0.00112	U	~		0.000933	U	0.000926	U
Wet Chemistry (%)																						
	Percent Solids	NA	NA	NA	**79.4**		**76.7**		**79.4**		**80.0**		**83.2**		**81.9**		~		**87.1**		**86.1**	
Wet Chemistry (mg/kg)																						
1854-02-99	Chromium, Hexavalent	19	110	1	2.52	U	2.61	U	2.52	U	2.50	U	2.40	U	2.44	U	~		2.30	U	2.32	U
	Cyanide (total)	40	27	27	1.26	U	1.30	U	1.26	U	1.25	U	1.20	U	1.22	U	~		1.15	U	1.16	U
16065-83-1	Trivalent Chromium	NA	NA	NA	**21.0**		**20.8**		**21.1**		**21.5**		**21.3**		**19.8**		~		**18.4**		**17.5**	

Notes:
NYURU = NY Unrestricted Use (Table 375-6.8(a) Dec. 2006)
NYRRES = NY Restricted-Resedential Use (Table 375-6.8(b) Dec. 2006)
NYPGW = NY Protection of Groundwater (Table 375-6.8(b) Dec. 2006)
RED = exceeds NYURU
Highlighted yellow = exceeds NYPGW
Underlined = exceeds NYRRES
~ = compound was not analyzed
NA = no applicable standard
Bold = detected compounds
mg/kg = miligram per kilogram

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 27
Pre-Construction Groundwater Sample Results Summary
August 20, 2015 (TMW-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501458			Result	Qualifier	Result	Qualifier
Lab: Accredited Analytical Resources LLC			1501458-01		1501458-01RE1	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street			TMW-1		TMW-1	
CAS#	Compound	NYSDEC GWQS	08/20/15		08/20/15	
Semivolatile Organic Compounds EPA Method SW846 8270 (ug/L)						
120-82-1	1,2,4-Trichlorobenzene	5	0.515	U	2.58	U
95-50-1	1,2-Dichlorobenzene	3	0.515	U	2.58	U
541-73-1	1,3-Dichlorobenzene	3	0.515	U	2.58	U
106-46-7	1,4-Dichlorobenzene	3	0.515	U	2.58	U
95-95-4	2,4,5-Trichlorophenol	NA	0.515	U	2.58	U
88-06-2	2,4,6-Trichlorophenol	NA	0.515	U	2.58	U
120-83-2	2,4-Dichlorophenol	5	0.515	U	2.58	U
105-67-9	2,4-Dimethylphenol	50	0.515	U	2.58	U
51-28-5	2,4-Dinitrophenol	10	1.03	U	5.15	U
121-14-2	2,4-Dinitrotoluene	5	0.515	U	2.58	U
606-20-2	2,6-Dinitrotoluene	5	0.515	U	2.58	U
91-58-7	2-Chloronaphthalene	10	0.515	U	2.58	U
95-57-8	2-Chlorophenol	NA	0.515	U	2.58	U
91-57-6	2-Methylnaphthylene	NA	**54.9**		**62.0**	D
95-48-7	2-Methylphenol	NA	0.515	U	2.58	U
88-74-4	2-Nitroaniline	5	0.515	U	2.58	U
88-75-5	2-Nitrophenol	NA	0.515	U	2.58	U
106-44-5	3 & 4-Methylphenol	NA	0.515	U	2.58	U
91-94-1	3,3'-Dichlorobenzidine	NA	0.515	U	2.58	U
99-09-2	3-Nitroaniline	5	0.515	U	2.58	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	0.515	U	2.58	U
101-55-3	4-Bromophenyl-phenylether	NA	0.515	U	2.58	U
59-50-7	4-Chloro-3-methylphenol	NA	0.515	U	2.58	U
106-47-8	4-Chloroaniline	5	0.515	U	2.58	U
7005-72-3	4-Chlorophenyl-phenylether	NA	0.515	U	2.58	U
100-01-6	4-Nitroaniline	5	0.515	U	2.58	U
100-02-7	4-Nitrophenol	NA	0.515	U	2.58	U
83-32-9	Acenaphthene	20	0.515	U	2.58	U
208-96-8	Acenaphthylene	NA	0.515	U	2.58	U
120-12-7	Anthracene	50	0.515	U	2.58	U
56-55-3	Benzo[a]anthracene	0.002	0.103	U	0.515	U
50-32-8	Benzo[a]pyrene	NA	0.103	U	0.515	U
205-99-2	Benzo[b]fluoranthene	0.002	0.206	U	1.03	U
191-24-2	Benzo[ghi]perylene	NA	0.103	U	0.515	U
207-08-9	Benzo[k]fluoranthene	0.002	0.515	U	2.58	U
65-85-0	Benzoic acid	NA	2.06	U	10.3	U
100-51-6	Benzyl alcohol	NA	0.515	U	2.58	U
111-91-1	bis(2-chloroethoxy)methane	5	0.515	U	2.58	U
111-44-4	bis(2-chloroethyl)ether	1	0.515	U	2.58	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	0.515	U	2.58	U
117-81-7	bis(2-ethylhexyl)phthalate	5	**0.629**	JB	2.58	U
85-68-7	Butylbenzylphthalate	NA	0.515	U	2.58	U
218-01-9	Chrysene	0.002	0.103	U	0.515	U
84-74-2	Di-n-butyl phthalate	NA	0.515	U	2.58	U
117-84-0	Di-n-octyl phthalate	50	0.515	U	2.58	U
53-70-3	Dibenzo(a,h)anthracene	NA	0.206	U	1.03	U
132-64-9	Dibenzofuran	NA	0.515	U	2.58	U
84-66-2	Diethyl phthalate	NA	0.515	U	2.58	U
131-11-3	Dimethylphthalate	NA	0.515	U	2.58	U
206-44-0	Fluoranthene	50	0.515	U	2.58	U

Table 27
Pre-Construction Groundwater Sample Results Summary
August 20, 2015 (TMW-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501458			Result	Qualifier	Result	Qualifier
Lab: Accredited Analytical Resources LLC			1501458-01		1501458-01RE1	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street			TMW-1		TMW-1	
CAS#	Compound	NYSDEC GWQS	08/20/15		08/20/15	
86-73-7	Fluorene	50	0.515	U	2.58	U
118-74-1	Hexachlorobenzene	0.04	0.515	U	2.58	U
87-68-3	Hexachlorobutadiene	0.5	0.515	U	2.58	U
77-47-4	Hexachlorocyclopentadiene	5	0.515	U	2.58	U
67-72-1	Hexachloroethane	5	0.515	U	2.58	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.002	0.515	U	2.58	U
78-59-1	Isophorone	50	0.515	U	2.58	U
621-64-7	N-Nitroso-di-n-propylamine	NA	0.515	U	2.58	U
62-75-9	N-Nitrosodimethylamine	NA	0.515	U	2.58	U
86-30-6	N-Nitrosodiphenylamine	50	0.515	U	2.58	U
91-20-3	Naphthalene	10	**99.8**	E	**117**	D
98-95-3	Nitrobenzene	0.4	0.515	U	2.58	U
87-86-5	Pentachlorophenol	1	0.515	U	2.58	U
85-01-8	Phenanthrene	50	**0.572**	J	0.515	U
108-95-2	Phenol	1	0.515	U	2.58	U
129-00-0	Pyrene	50	0.515	U	2.58	U
Volatile Organic Compounds EPA Method SW846 8260 (ug/L)						
630-20-6	1,1,1,2-Tetrachloroethane	5	10.0	U	50.0	U
71-55-6	1,1,1-Trichloroethane	5	10.0	U	50.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5	10.0	U	50.0	U
79-00-5	1,1,2-Trichloroethane	1	10.0	U	50.0	U
75-34-3	1,1-Dichloroethane	5	8.00	U	40.0	U
75-35-4	1,1-Dichloroethene	5	8.00	U	40.0	U
563-58-6	1,1-Dichloropropene	NA	10.0	U	50.0	U
87-61-6	1,2,3-Trichlorobenzene	5	10.0	U	50.0	U
96-18-4	1,2,3-Trichloropropane	0.04	10.0	U	50.0	U
120-82-1	1,2,4-Trichlorobenzene	5	10.0	U	50.0	U
95-63-6	1,2,4-Trimethylbenzene	5	**3280**	DE	**2850**	D
96-12-8	1,2-Dibromo-3-chloropropane	0.04	10.0	U	50.0	U
106-93-4	1,2-Dibromoethane	NA	10.0	U	50.0	U
95-50-1	1,2-Dichlorobenzene	NA	10.0	U	50.0	U
107-06-2	1,2-Dichloroethane	0.6	10.0	U	50.0	U
78-87-5	1,2-Dichloropropane	1	10.0	U	50.0	U
108-67-8	1,3,5-Trimethylbenzene	5	**998**	D	**787**	D
541-73-1	1,3-Dichlorobenzene	3	10.0	U	50.0	U
142-28-9	1,3-Dichloropropane	5	10.0	U	50.0	U
106-46-7	1,4-Dichlorobenzene	3	10.0	U	50.0	U
590-20-7	2,2-Dichloropropane	NA	8.00	U	40.0	U
78-93-3	2-Butanone	50	10.0	U	50.0	U
110-75-8	2-Chloroethyl vinyl ether	NA	10.0	U	50.0	U
95-49-8	2-Chlorotoluene	5	10.0	U	50.0	U
591-78-6	2-Hexanone	50	10.0	U	50.0	U
106-43-4	4-Chlorotoluene	5	10.0	U	50.0	U
108-10-1	4-Methyl-2-pentanone	NA	10.0	U	50.0	U
67-64-1	Acetone	50	**59.8**	D	100	U
107-02-8	Acrolein	5	120	U	600	U
107-13-1	Acrylonitrile	5	40.0	U	200	U
71-43-2	Benzene	1	10.0	U	50.0	U
108-86-1	Bromobenzene	5	10.0	U	50.0	U
74-97-5	Bromochloromethane	5	10.0	U	50.0	U
75-27-4	Bromodichloromethane	50	10.0	U	50.0	U

Table 27
Pre-Construction Groundwater Sample Results Summary
August 20, 2015 (TMW-1)
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1501458			**Result**	**Qualifier**	**Result**	**Qualifier**
Lab: Accredited Analytical Resources LLC			**1501458-01**		**1501458-01RE1**	
Client: BRINKERHOFF ENVIRONMENTAL - 255 East 138th Street			**TMW-1**		**TMW-1**	
CAS#	**Compound**	**NYSDEC GWQS**	**08/20/15**		**08/20/15**	
75-25-2	Bromoform	50	10.0	U	50.0	U
74-83-9	Bromomethane	5	20.0	U	100	U
75-15-0	Carbon disulfide	NA	8.00	U	40.0	U
56-23-5	Carbon Tetrachloride	5	10.0	U	50.0	U
108-90-7	Chlorobenzene	5	10.0	U	50.0	U
75-00-3	Chloroethane	5	20.0	U	100	U
67-66-3	Chloroform	7	10.0	U	50.0	U
74-87-3	Chloromethane	NA	20.0	U	100	U
156-59-4	cis-1,2-Dichloroethene	5	10.0	U	50.0	U
10061-01-5	cis-1,3-Dichloropropene	NA	10.0	U	50.0	U
124-48-1	Dibromochloromethane	50	10.0	U	50.0	U
74-95-3	Dibromomethane	5	10.0	U	50.0	U
75-71-8	Dichlorodifluoromethane	5	20.0	U	100	U
100-41-4	Ethylbenzene	5	**1180**	D	**1200**	D
87-68-3	Hexachlorobutadiene	0.5	10.0	U	50.0	U
98-82-8	Isopropylbenzene	5	**296**	D	**245**	D
108-38-3/106-	m,p-Xylenes	NA	**3560**	D	**3650**	D
75-09-2	Methylene Chloride	5	**29.2**	BD	40.0	U
104-51-8	n-Butyl Benzene	5	**259**	D	50.0	U
103-65-1	n-Propyl Benzene	5	**845**	D	**676**	D
95-47-6	o-Xylene	NA	**1200**	D	**1180**	D
99-87-6	p-Isopropyltoluene	NA	**41.2**	D	50.0	U
135-98-8	sec-Butylbenzene	5	**88.8**	D	50.0	U
100-42-5	Styrene	NA	20.0	U	100	U
98-06-6	tert-Butylbenzene	5	10.0	U	50.0	U
127-18-4	Tetrachloroethene	5	10.0	U	50.0	U
108-88-3	Toluene	5	**24.2**	D	50.0	U
156-60-5	trans-1,2-Dichloroethene	5	8.00	U	40.0	U
10061-02-6	trans-1,3-Dichloropropene	0.4	10.0	U	50.0	U
79-01-6	Trichloroethene	5	10.0	U	50.0	U
75-69-4	Trichlorofluoromethane	5	20.0	U	100	U
108-05-4	Vinyl acetate	NA	8.00	U	40.0	U
75-01-4	Vinyl chloride	2	20.0	U	100	U

Notes:
NYSDEC GWQS = TOGS 1.1.1 New York State Ambient Grounwater Quality Guidance Values Table 1, 1998
Red = exceeds NYSDEC GWQS
NA = no appicable standard
Bold = detected compounds
ug/L = microgram per liter

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 28
Pre and Post-Injection Groundwater Sample Results Summary
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601998			Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC			1601998-01		1602078-01		1601998-02		1601998-03		1602078-02	
Client: BRINKERHOFF		NYSDEC	SMW-1		SMW-1		TMW-2		Trip Blank		Trip Blank	
CAS#	Compound	GWQS	10/18/16		11/02/16		10/18/16		10/18/16		11/02/16	
Volatile Organic Compounds EPA Method SW846 8260 (ug/L)												
630-20-6	1,1,1,2-Tetrachloroethane	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
71-55-6	1,1,1-Trichloroethane	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
75-34-3	1,1-Dichloroethane	5	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U
75-35-4	1,1-Dichloroethene	5	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U
563-58-6	1,1-Dichloropropene	NA	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
87-61-6	1,2,3-Trichlorobenzene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
96-18-4	1,2,3-Trichloropropane	0.04	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
120-82-1	1,2,4-Trichlorobenzene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
95-63-6	1,2,4-Trimethylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.04	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
106-93-4	1,2-Dibromoethane	NA	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
95-50-1	1,2-Dichlorobenzene	NA	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
107-06-2	1,2-Dichloroethane	0.6	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
108-67-8	1,3,5-Trimethylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
541-73-1	1,3-Dichlorobenzene	3	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
142-28-9	1,3-Dichloropropane	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
106-46-7	1,4-Dichlorobenzene	3	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
590-20-7	2,2-Dichloropropane	NA	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U
78-93-3	2-Butanone	50	0.500	U	0.500	U	**0.650**	J	0.500	U	0.500	U
110-75-8	2-Chloroethyl vinyl ether	NA	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
95-49-8	2-Chlorotoluene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
591-78-6	2-Hexanone	50	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
106-43-4	4-Chlorotoluene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
108-10-1	4-Methyl-2-pentanone	NA	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
67-64-1	Acetone	50	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
107-02-8	Acrolein	5	6.00	U	6.00	U	6.00	U	6.00	U	6.00	U
107-13-1	Acrylonitrile	5	2.00	U	2.00	U	2.00	U	2.00	U	2.00	U
71-43-2	Benzene	1	0.500	U	0.500	U	**0.690**	J	0.500	U	0.500	U
108-86-1	Bromobenzene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
74-97-5	Bromochloromethane	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
75-27-4	Bromodichloromethane	50	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
75-25-2	Bromoform	50	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
74-83-9	Bromomethane	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
75-15-0	Carbon disulfide	NA	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U
56-23-5	Carbon Tetrachloride	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
108-90-7	Chlorobenzene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
75-00-3	Chloroethane	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
67-66-3	Chloroform	7	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
74-87-3	Chloromethane	NA	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
156-59-4	cis-1,2-Dichloroethene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
10061-01-5	cis-1,3-Dichloropropene	NA	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
124-48-1	Dibromochloromethane	50	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
74-95-3	Dibromomethane	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
75-71-8	Dichlorodifluoromethane	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
100-41-4	Ethylbenzene	5	**0.500**	J	0.500	U	0.500	U	0.500	U	0.500	U
87-68-3	Hexachlorobutadiene	0.5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
98-82-8	Isopropylbenzene	5	**2.98**		**1.66**		**0.560**	J	0.500	U	0.500	U
108-38-3/106-	m,p-Xylenes	NA	**1.03**	J	1.00	U	1.00	U	1.00	U	1.00	U
75-09-2	Methylene Chloride	5	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U

Table 28
Pre and Post-Injection Groundwater Sample Results Summary
255 East 138th Street, Bronx, New York
Brinkerhoff Project No. 10BR188

Work Order 1601998			**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**	**Result**	**Q**
Lab: Accredited Analytical Resources LLC			**1601998-01**		**1602078-01**		**1601998-02**		**1601998-03**		**1602078-02**	
Client: BRINKERHOFF		**NYSDEC**	**SMW-1**		**SMW-1**		**TMW-2**		**Trip Blank**		**Trip Blank**	
CAS#	**Compound**	**GWQS**	**10/18/16**		**11/02/16**		**10/18/16**		**10/18/16**		**11/02/16**	
Volatile Organic Compounds EPA Method SW846 8260 (ug/L)												
104-51-8	n-Butyl Benzene	5	**0.990**	J	0.500	U	0.500	U	0.500	U	0.500	U
103-65-1	n-Propyl Benzene	5	5.57		**1.76**		**0.870**	J	0.500	U	0.500	U
91-20-3	Naphthalene	10	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
95-47-6	o-Xylene	NA	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
99-87-6	p-Isopropyltoluene	NA	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
135-98-8	sec-Butylbenzene	5	**0.680**	J	**0.600**	J	0.500	U	0.500	U	0.500	U
100-42-5	Styrene	NA	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
98-06-6	tert-Butylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
127-18-4	Tetrachloroethene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
108-88-3	Toluene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
156-60-5	trans-1,2-Dichloroethene	5	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U
10061-02-6	trans-1,3-Dichloropropene	0.4	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
79-01-6	Trichloroethene	5	0.500	U	0.500	U	0.500	U	0.500	U	0.500	U
75-69-4	Trichlorofluoromethane	5	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
108-05-4	Vinyl acetate	NA	0.400	U	0.400	U	0.400	U	0.400	U	0.400	U
75-01-4	Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U

General Notes:
NYSDEC GWQS = TOGS 1.1.1 New York State Ambient Grounwater Quality Guidance Values Table 1, 1998
Red = exceeds NYSDEC GWQS
NA = no appicable standard
Bold = detected compounds
ug/L = microgram per liter
Q = qualifier

Qualifiers:
E - Concentration exceeds highest calibration standard
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 29
Post-Remediation Groundwater Sample Results Summary - First Quarter 2017
255 East 138th Sreet, Bronx, New York
Brinkerhoff Project No: 10BR188

SAMPLE NAME		NYSDEC TOGS AWQSGV	SMW-1				SMW-2				TRIP BLANK			
LAB SAMPLE ID			L1710104-01				L1710104-02				L1710104-03			
SAMPLE DATE			4/3/2017				4/3/2017				4/3/2017			
SAMPLE TYPE			WATER				WATER				WATER			
ANALYTE	CAS		Results	Q	RL	MDL	Results	Q	RL	MDL	Results	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS (ug/L)														
1,1,1,2-Tetrachloroethane	630-20-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,1,1-Trichloroethane	71-55-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,1,2,2-Tetrachloroethane	79-34-5	5	ND		1	0.33	ND		0.5	0.17	ND		0.5	0.17
1,1,2-Trichloroethane	79-00-5	1	ND		3	1	ND		1.5	0.5	ND		1.5	0.5
1,1-Dichloroethane	75-34-3	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	75-35-4	5	ND		1	0.34	ND		0.5	0.17	ND		0.5	0.17
1,1-Dichloropropene	563-58-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	87-61-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichloropropane	96-18-4	0.04	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2,4,5-Tetramethylbenzene	95-93-2	5	32		4	1.1	**1.7**	J	2	0.54	ND		2	0.54
1,2,4-Trichlorobenzene	120-82-1	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	95-63-6	5	**2.2**	J	5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	106-93-4	0.0006	ND		4	1.3	ND		2	0.65	ND		2	0.65
1,2-Dichlorobenzene	95-50-1	3	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	107-06-2	0.6	ND		1	0.26	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloroethene, Total	540-59-0	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloropropane	78-87-5	1	ND		2	0.27	ND		1	0.14	ND		1	0.14
1,3,5-Trimethylbenzene	108-67-8	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	541-73-1	3	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichloropropane	142-28-9	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichloropropene, Total	542-75-6	NA	ND		1	0.29	ND		0.5	0.14	ND		0.5	0.14
1,4-Dichlorobenzene	106-46-7	3	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	123-91-1	NA	ND		500	120	ND		250	61	ND		250	61
2,2-Dichloropropane	594-20-7	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
2-Butanone	78-93-3	50	ND		10	3.9	ND		5	1.9	ND		5	1.9
2-Hexanone	591-78-6	50	ND		10	2	ND		5	1	ND		5	1
4-Methyl-2-pentanone	108-10-1	NA	ND		10	2	ND		5	1	ND		5	1
Acetone	67-64-1	50	ND		10	2.9	ND		5	1.5	ND		5	1.5
Acrylonitrile	107-13-1	5	ND		10	3	ND		5	1.5	ND		5	1.5
Benzene	71-43-2	1	1.2		1	0.32	**0.18**	J	0.5	0.16	ND		0.5	0.16
Bromobenzene	108-86-1	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Bromochloromethane	74-97-5	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	75-27-4	50	ND		1	0.38	ND		0.5	0.19	ND		0.5	0.19
Bromoform	75-25-2	50	ND		4	1.3	ND		2	0.65	ND		2	0.65
Bromomethane	74-83-9	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Carbon disulfide	75-15-0	60	ND		10	2	ND		5	1	ND		5	1
Carbon tetrachloride	56-23-5	5	ND		1	0.27	ND		0.5	0.13	ND		0.5	0.13
Chlorobenzene	108-90-7	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Chloroethane	75-00-3	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Chloroform	67-66-3	7	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	74-87-3	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	156-59-2	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
cis-1,3-Dichloropropene	10061-01-5	0.4	ND		1	0.29	ND		0.5	0.14	ND		0.5	0.14
Dibromochloromethane	124-48-1	50	ND		1	0.3	ND		0.5	0.15	ND		0.5	0.15
Dibromomethane	74-95-3	5	ND		10	2	ND		5	1	ND		5	1
Dichlorodifluoromethane	75-71-8	5	ND		10	2	ND		5	1	ND		5	1
Ethyl ether	60-29-7	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	100-41-4	5	12		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	87-68-3	0.5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7

Table 29
Post-Remediation Groundwater Sample Results Summary - First Quarter 2017
255 East 138th Sreet, Bronx, New York
Brinkerhoff Project No: 10BR188

SAMPLE NAME		NYSDEC TOGS AWQSGV	SMW-1				SMW-2				TRIP BLANK			
LAB SAMPLE ID			L1710104-01				L1710104-02				L1710104-03			
SAMPLE DATE			4/3/2017				4/3/2017				4/3/2017			
SAMPLE TYPE			WATER				WATER				WATER			
ANALYTE	CAS		Results	Q	RL	MDL	Results	Q	RL	MDL	Results	Q	RL	MDL
Isopropylbenzene	98-82-8	5	**93**		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	1634-04-4	10	ND		5	1.4	**5.7**		2.5	0.7	ND		2.5	0.7
Methylene chloride	75-09-2	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	104-51-8	5	**2.4**	J	5	1.4	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	103-65-1	5	**78**		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	91-20-3	10	**4.1**	J	5	1.4	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	95-49-8	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	95-47-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	106-43-4	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
p-Diethylbenzene	105-05-5	NA	**8.4**		4	1.4	ND		2	0.7	ND		2	0.7
p-Ethyltoluene	622-96-8	NA	ND		4	1.4	ND		2	0.7	ND		2	0.7
p-Isopropyltoluene	99-87-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
p/m-Xylene	179601-23-1	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	135-98-8	5	**10**		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Styrene	100-42-5	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	98-06-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Tetrachloroethene	127-18-4	5	**0.71**	J	1	0.36	ND		0.5	0.18	ND		0.5	0.18
Toluene	108-88-3	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
trans-1,2-Dichloroethene	156-60-5	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
trans-1,3-Dichloropropene	10061-02-6	0.4	ND		1	0.33	ND		0.5	0.16	ND		0.5	0.16
trans-1,4-Dichloro-2-butene	110-57-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	79-01-6	5	ND		1	0.35	ND		0.5	0.18	ND		0.5	0.18
Trichlorofluoromethane	75-69-4	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Vinyl acetate	108-05-4	NA	ND		10	2	ND		5	1	ND		5	1
Vinyl chloride	75-01-4	2	ND		2	0.14	ND		1	0.07	ND		1	0.07
Xylenes, Total	1330-20-7	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Total VOCs		NA	**244.01**	-	-	-	**7.58**	-	-	-	-	-	-	-

Notes:

1.) NYSDEC TOGS AWQSGV = New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance Series 1.1.1 Ambient Groundwater Quality Guidance Values Table 1, 1998. Reflects all addendum to criteria through June 2004
2.) Red = Concentration exceeds NYSDEC TOGS AWQSGV
3.) RL = Reporting Limit
4.) MDL = Method Detection Limit
5.) Q = Qualifer
6.) ug/L = Microgram per liter
7.) NA = No applicable standard
8.) ND = Compound was not detected
9.) **Bold** = Detected Compounds
10.) J - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search
11.) Compounds that are highlighted gray were not detected but the RLs and/or MDLs are above the NYSDEC TOGS AWQSGV

Table 30
Post-Remediation Groundwater Sample Results Summary - Second Quarter 2017
255 East 138th Sreet, Bronx, New York
Brinkerhoff Project No: 10BR188

SAMPLE NAME		NYSDEC TOGS AWQSGV	SMW-1				SMW-2				TRIP BLANK			
LAB SAMPLE ID			L1718550-01				L1718550-02				L1718550-03			
SAMPLE DATE			6/5/2017				6/5/2017				5/30/2017			
SAMPLE TYPE			WATER				WATER				WATER			
ANALYTE	CAS		Results	Q	RL	MDL	Results	Q	RL	MDL	Results	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS (ug/L)														
1,1,1,2-Tetrachloroethane	630-20-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,1,1-Trichloroethane	71-55-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,1,2,2-Tetrachloroethane	79-34-5	5	ND		1	0.33	ND		0.5	0.17	ND		0.5	0.17
1,1,2-Trichloroethane	79-00-5	1	ND		3	1	ND		1.5	0.5	ND		1.5	0.5
1,1-Dichloroethane	75-34-3	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	75-35-4	5	ND		1	0.34	ND		0.5	0.17	ND		0.5	0.17
1,1-Dichloropropene	563-58-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	87-61-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichloropropane	96-18-4	0.04	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2,4,5-Tetramethylbenzene	95-93-2	5	**31**		4	1.1	0.83	J	2	0.54	ND		2	0.54
1,2,4-Trichlorobenzene	120-82-1	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	95-63-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	106-93-4	0.0006	ND		4	1.3	ND		2	0.65	ND		2	0.65
1,2-Dichlorobenzene	95-50-1	3	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	107-06-2	0.6	ND		1	0.26	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloroethene, Total	540-59-0	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloropropane	78-87-5	1	ND		2	0.27	ND		1	0.14	ND		1	0.14
1,3,5-Trimethylbenzene	108-67-8	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	541-73-1	3	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichloropropane	142-28-9	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichloropropene, Total	542-75-6	NA	ND		1	0.29	ND		0.5	0.14	ND		0.5	0.14
1,4-Dichlorobenzene	106-46-7	3	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	123-91-1	NA	ND		500	120	ND		250	61	ND		250	61
2,2-Dichloropropane	594-20-7	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
2-Butanone	78-93-3	50	ND		10	3.9	ND		5	1.9	ND		5	1.9
2-Hexanone	591-78-6	50	ND		10	2	ND		5	1	ND		5	1
4-Methyl-2-pentanone	108-10-1	NA	ND		10	2	ND		5	1	ND		5	1
Acetone	67-64-1	50	ND		10	2.9	ND		5	1.5	ND		5	1.5
Acrylonitrile	107-13-1	5	**10**		10	3	ND		5	1.5	ND		5	1.5
Benzene	71-43-2	1	**1.1**		1	0.32	ND		0.5	0.16	ND		0.5	0.16
Bromobenzene	108-86-1	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Bromochloromethane	74-97-5	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	75-27-4	50	ND		1	0.38	ND		0.5	0.19	ND		0.5	0.19
Bromoform	75-25-2	50	ND		4	1.3	ND		2	0.65	ND		2	0.65
Bromomethane	74-83-9	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Carbon disulfide	75-15-0	60	ND		10	2	ND		5	1	ND		5	1
Carbon tetrachloride	56-23-5	5	ND		1	0.27	ND		0.5	0.13	ND		0.5	0.13
Chlorobenzene	108-90-7	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Chloroethane	75-00-3	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Chloroform	67-66-3	7	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	74-87-3	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	156-59-2	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
cis-1,3-Dichloropropene	10061-01-5	0.4	ND		1	0.29	ND		0.5	0.14	ND		0.5	0.14
Dibromochloromethane	124-48-1	50	ND		1	0.3	ND		0.5	0.15	ND		0.5	0.15
Dibromomethane	74-95-3	5	ND		10	2	ND		5	1	ND		5	1
Dichlorodifluoromethane	75-71-8	5	ND		10	2	ND		5	1	ND		5	1
Ethyl ether	60-29-7	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	100-41-4	5	**6.7**		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	87-68-3	0.5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7

Table 30
Post-Remediation Groundwater Sample Results Summary - Second Quarter 2017
255 East 138th Sreet, Bronx, New York
Brinkerhoff Project No: 10BR188

SAMPLE NAME		NYSDEC TOGS AWQSGV	SMW-1				SMW-2				TRIP BLANK			
LAB SAMPLE ID			L1718550-01				L1718550-02				L1718550-03			
SAMPLE DATE			6/5/2017				6/5/2017				5/30/2017			
SAMPLE TYPE			WATER				WATER				WATER			
ANALYTE	CAS		Results	Q	RL	MDL	Results	Q	RL	MDL	Results	Q	RL	MDL
Isopropylbenzene	98-82-8	5	**94**		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	1634-04-4	10	ND		5	1.4	5.4		2.5	0.7	ND		2.5	0.7
Methylene chloride	75-09-2	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	104-51-8	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	103-65-1	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	91-20-3	10	**26**		5	1.4	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	95-49-8	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	95-47-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	106-43-4	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
p-Diethylbenzene	105-05-5	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
p-Ethyltoluene	622-96-8	NA	**8.3**		4	1.4	ND		2	0.7	ND		2	0.7
p-Isopropyltoluene	99-87-6	5	ND		4	1.4	ND		2	0.7	ND		2	0.7
p/m-Xylene	179601-23-1	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	135-98-8	5	**11**		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Styrene	100-42-5	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	98-06-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Tetrachloroethene	127-18-4	5	ND		1	0.36	ND		0.5	0.18	ND		0.5	0.18
Toluene	108-88-3	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
trans-1,2-Dichloroethene	156-60-5	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
trans-1,3-Dichloropropene	10061-02-6	0.4	ND		1	0.33	ND		0.5	0.16	ND		0.5	0.16
trans-1,4-Dichloro-2-butene	110-57-6	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	79-01-6	5	ND		1	0.35	ND		0.5	0.18	ND		0.5	0.18
Trichlorofluoromethane	75-69-4	5	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Vinyl acetate	108-05-4	NA	ND		10	2	ND		5	1	ND		5	1
Vinyl chloride	75-01-4	2	ND		2	0.14	ND		1	0.07	ND		1	0.07
Xylenes, Total	1330-20-7	NA	ND		5	1.4	ND		2.5	0.7	ND		2.5	0.7
Total VOCs		NA	**188.1**	-	-	-	6.23	-	-	-	-	-	-	-

Notes:
1.) NYSDEC TOGS AWQSGV = New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance Series 1.1.1 Ambient Groundwater Quality Guidance Values Table 1, 1998. Reflects all addendum to criteria through June 2004
2.) Red = Concentration exceeds NYSDEC TOGS AWQSGV
3.) RL = Reporting Limit
4.) MDL = Method Detection Limit
5.) Q = Qualifer
6.) ug/L = Microgram per liter
7.) NA = No applicable standard
8.) ND = Compound was not detected
9.) **Bold** = Detected Compounds
10.) J - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search
11.) Compounds that are highlighted gray were not detected but the RLs and/or MDLs are above the NYSDEC TOGS AWQSGV

Table 31
Post-Remediation Groundwater Sample Results Summary - Third Quarter 2017
255 East 138th Sreet, Bronx, New York
Brinkerhoff Project No: 10BR188

SAMPLE NAME		NYSDEC TOGS AWQSGV	SMW-1				SMW-2				TRIP BLANK			
LAB SAMPLE ID			L1727091-01				L1727091-02				L1727091-03			
SAMPLE DATE			8/2/2017				8/2/2017				7/31/2017			
SAMPLE TYPE			WATER				WATER				WATER			
ANALYTE	CAS		Results	Q	RL	MDL	Results	Q	RL	MDL	Results	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS (ug/L)														
Methylene chloride	75-09-2	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethane	75-34-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroform	67-66-3	7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Carbon tetrachloride	56-23-5	5	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloropropane	78-87-5	1	ND		1	0.14	ND		1	0.14	ND		1	0.14
Dibromochloromethane	124-48-1	50	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
1,1,2-Trichloroethane	79-00-5	1	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5
Tetrachloroethene	127-18-4	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Chlorobenzene	108-90-7	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichlorofluoromethane	75-69-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	107-06-2	0.6	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,1,1-Trichloroethane	71-55-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	75-27-4	50	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
trans-1,3-Dichloropropene	10061-02-6	0.4	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
cis-1,3-Dichloropropene	10061-01-5	0.4	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,3-Dichloropropene, Total	542-75-6	NA	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,1-Dichloropropene	563-58-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromoform	75-25-2	50	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,1,2,2-Tetrachloroethane	79-34-5	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
Benzene	71-43-2	1	**0.5**		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Toluene	108-88-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	100-41-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	74-87-3	NA	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromomethane	74-83-9	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	75-01-4	2	ND		1	0.07	ND		1	0.07	ND		1	0.07
Chloroethane	75-00-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	75-35-4	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
trans-1,2-Dichloroethene	156-60-5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	79-01-6	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
1,2-Dichlorobenzene	95-50-1	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	541-73-1	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dichlorobenzene	106-46-7	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	1634-04-4	10	ND		2.5	0.7	**4.9**		2.5	0.7	ND		2.5	0.7
p/m-Xylene	179601-23-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	95-47-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Xylenes, Total	1330-20-7	NA	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	156-59-2	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethene, Total	540-59-0	NA	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dibromomethane	74-95-3	5	ND		5	1	ND		5	1	ND		5	1
1,2,3-Trichloropropane	96-18-4	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Acrylonitrile	107-13-1	5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Styrene	100-42-5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dichlorodifluoromethane	75-71-8	5	ND		5	1	ND		5	1	ND		5	1
Acetone	67-64-1	50	ND		5	1.5	ND		5	1.5	ND		5	1.5
Carbon disulfide	75-15-0	60	ND		5	1	ND		5	1	ND		5	1
2-Butanone	78-93-3	50	ND		5	1.9	ND		5	1.9	ND		5	1.9
Vinyl acetate	108-05-4	NA	ND		5	1	ND		5	1	ND		5	1
4-Methyl-2-pentanone	108-10-1	NA	ND		5	1	ND		5	1	ND		5	1
2-Hexanone	591-78-6	50	ND		5	1	ND		5	1	ND		5	1
Bromochloromethane	74-97-5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7

Table 31
Post-Remediation Groundwater Sample Results Summary - Third Quarter 2017
255 East 138th Sreet, Bronx, New York
Brinkerhoff Project No: 10BR188

SAMPLE NAME		NYSDEC TOGS AWQSGV	SMW-1				SMW-2				TRIP BLANK			
LAB SAMPLE ID			L1727091-01				L1727091-02				L1727091-03			
SAMPLE DATE			8/2/2017				8/2/2017				7/31/2017			
SAMPLE TYPE			WATER				WATER				WATER			
ANALYTE	CAS		Results	Q	RL	MDL	Results	Q	RL	MDL	Results	Q	RL	MDL
2,2-Dichloropropane	594-20-7	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	106-93-4	0.0006	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,3-Dichloropropane	142-28-9	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,1,2-Tetrachloroethane	630-20-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromobenzene	108-86-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	104-51-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	135-98-8	5	**7.1**		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	98-06-6	5	**0.87**	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	95-49-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	106-43-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	87-68-3	0.5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	98-82-8	5	**40**		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	99-87-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	91-20-3	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	103-65-1	5	**1.1**	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	87-61-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trichlorobenzene	120-82-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3,5-Trimethylbenzene	108-67-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	95-63-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	123-91-1	NA	ND		250	61	ND		250	61	ND		250	61
p-Diethylbenzene	105-05-5	NA	**7.3**		2	0.7	ND		2	0.7	ND		2	0.7
p-Ethyltoluene	622-96-8	NA	ND		2	0.7	ND		2	0.7	ND		2	0.7
1,2,4,5-Tetramethylbenzene	95-93-2	5	**27**		2	0.54	**1.2**	J	2	0.54	ND		2	0.54
Ethyl ether	60-29-7	NA	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,4-Dichloro-2-butene	110-57-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Total VOCs		NA	**83.87**	-	-	-	**6.1**	-	-	-	-	-	-	-

Notes:

1.) NYSDEC TOGS AWQSGV = New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance Series 1.1.1 Ambient Groundwater Quality Guidance Values Table 1, 1998. Reflects all addendum to criteria through June 2004
2.) Red = Concentration exceeds NYSDEC TOGS AWQSGV
3.) RL = Reporting Limit
4.) MDL = Method Detection Limit
5.) Q = Qualifer
6.) ug/L = Microgram per liter
7.) NA = No applicable standard
8.) ND = Compound was not detected
9.) **Bold** = Detected Compounds
10.) J - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search
11.) Compounds that are highlighted gray were not detected but the RLs and/or MDLs are at or above the NYSDEC TOGS AWQSGV

Table 32
Post-Remediation Groundwater Sample Results Summary - Fourth Quarter 2017
255 East 138th Sreet, Bronx, New York
Brinkerhoff Project No: 10BR188

SAMPLE NAME		NYSDEC TOGS AWQSGV	SMW-1				SMW-2				TRIP BLANK			
LAB SAMPLE ID			L1743119-01				L1743119-03				L1743119-03			
SAMPLE DATE			11/21/2017				11/21/2017				11/17/2017			
SAMPLE TYPE			WATER				WATER				WATER			
ANALYTE	CAS		Results	Q	RL	MDL	Results	Q	RL	MDL	Results	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS (ug/L)														
Methylene chloride	75-09-2	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethane	75-34-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroform	67-66-3	7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Carbon tetrachloride	56-23-5	5	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloropropane	78-87-5	1	ND		1	0.14	ND		1	0.14	ND		1	0.14
Dibromochloromethane	124-48-1	50	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
1,1,2-Trichloroethane	79-00-5	1	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5
Tetrachloroethene	127-18-4	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Chlorobenzene	108-90-7	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichlorofluoromethane	75-69-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	107-06-2	0.6	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,1,1-Trichloroethane	71-55-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	75-27-4	50	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
trans-1,3-Dichloropropene	10061-02-6	0.4	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
cis-1,3-Dichloropropene	10061-01-5	0.4	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,3-Dichloropropene, Total	542-75-6	NA	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,1-Dichloropropene	563-58-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromoform	75-25-2	50	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,1,2,2-Tetrachloroethane	79-34-5	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
Benzene	71-43-2	1	**1.2**		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Toluene	108-88-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	100-41-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	74-87-3	NA	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromomethane	74-83-9	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	75-01-4	2	ND		1	0.07	ND		1	0.07	ND		1	0.07
Chloroethane	75-00-3	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	75-35-4	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
trans-1,2-Dichloroethene	156-60-5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	79-01-6	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
1,2-Dichlorobenzene	95-50-1	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	541-73-1	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dichlorobenzene	106-46-7	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	1634-04-4	10	ND		2.5	0.7	**4.7**		2.5	0.7	ND		2.5	0.7
p/m-Xylene	179601-23-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	95-47-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Xylenes, Total	1330-20-7	NA	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	156-59-2	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethene, Total	540-59-0	NA	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dibromomethane	74-95-3	5	ND		5	1	ND		5	1	ND		5	1
1,2,3-Trichloropropane	96-18-4	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Acrylonitrile	107-13-1	5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Styrene	100-42-5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dichlorodifluoromethane	75-71-8	5	ND		5	1	ND		5	1	ND		5	1
Acetone	67-64-1	50	ND		5	1.5	ND		5	1.5	ND		5	1.5
Carbon disulfide	75-15-0	60	ND		5	1	ND		5	1	ND		5	1
2-Butanone	78-93-3	50	ND		5	1.9	ND		5	1.9	ND		5	1.9
Vinyl acetate	108-05-4	NA	ND		5	1	ND		5	1	ND		5	1
4-Methyl-2-pentanone	108-10-1	NA	ND		5	1	ND		5	1	ND		5	1
2-Hexanone	591-78-6	50	ND		5	1	ND		5	1	ND		5	1
Bromochloromethane	74-97-5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7

Table 32
Post-Remediation Groundwater Sample Results Summary - Fourth Quarter 2017
255 East 138th Sreet, Bronx, New York
Brinkerhoff Project No: 10BR188

SAMPLE NAME		NYSDEC TOGS AWQSGV	SMW-1				SMW-2				TRIP BLANK			
LAB SAMPLE ID			L1743119-01				L1743119-03				L1743119-03			
SAMPLE DATE			11/21/2017				11/21/2017				11/17/2017			
SAMPLE TYPE			WATER				WATER				WATER			
ANALYTE	CAS		Results	Q	RL	MDL	Results	Q	RL	MDL	Results	Q	RL	MDL
2,2-Dichloropropane	594-20-7	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	106-93-4	0.0006	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,3-Dichloropropane	142-28-9	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,1,2-Tetrachloroethane	630-20-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromobenzene	108-86-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	104-51-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	135-98-8	5	**3.5**		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	98-06-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	95-49-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	106-43-4	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	87-68-3	0.5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	98-82-8	5	**25**		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	99-87-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	91-20-3	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	103-65-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	87-61-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trichlorobenzene	120-82-1	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3,5-Trimethylbenzene	108-67-8	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	95-63-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	123-91-1	NA	ND		250	61	ND		250	61	ND		250	61
p-Diethylbenzene	105-05-5	NA	**3.8**		2	0.7	ND		2	0.7	ND		2	0.7
p-Ethyltoluene	622-96-8	NA	ND		2	0.7	ND		2	0.7	ND		2	0.7
1,2,4,5-Tetramethylbenzene	95-93-2	5	**2.3**		2	0.54	**1.6**	J	2	0.54	ND		2	0.54
Ethyl ether	60-29-7	NA	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,4-Dichloro-2-butene	110-57-6	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Total VOCs			**35.8**	-	-	-	**6.3**	-	-	-	-	-	-	-

Notes:

1.) NYSDEC TOGS AWQSGV = New York State Department of Environmental Conservation Division of Water Technical and Operation Guidance Series 1.1.1 Ambient Groundwater Quality Guidance Values Table 1, 1998. Reflects all addendum to criteria through June 2004

2.) Red = Concentration exceeds NYSDEC TOGS AWQSGV

3.) RL = Reporting Limit

4.) MDL = Method Detection Limit

5.) Q = Qualifer

6.) ug/L = Microgram per liter

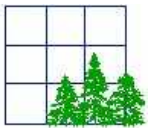
7.) NA = No applicable standard

8.) ND = Compound was not detected

9.) **Bold** = Detected Compounds

10.) J - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search

11.) Compounds that are highlighted gray were not detected but the RLs and/or MDLs are at or above the NYSDEC TOGS AWQSGV



APPENDIX I

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2016092101331001001EF41D

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 14**

Document ID: 2016092101331001 Document Date: 09-12-2016 Preparation Date: 09-21-2016
Document Type: EASEMENT
Document Page Count: 12

PRESENTER:
CHICAGO TITLE INSURANCE CO. (PICK-UP)
711 THIRD AVE, 5TH FLOOR
3214-00044 (MAF)
NEW YORK, NY 10017
212-880-1200
CTINYRECORDING@CTT.COM

RETURN TO:
CHICAGO TITLE INSURANCE CO. (PICK-UP)
KNAUF SHAW LLP / ATTN: LINDA R. SHAW
1400 CROSSROADS BUILDING, 2 STATE STREET
ROCHESTER, NY 14614

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BRONX	2333	1	Entire Lot	2551 3 AVENUE

Property Type: NON-RESIDENTIAL VACANT LAND Easement

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
EAST 138TH STREET LLC
C/O URBAN BUILDERS COLLABORATIVE, LLC,
334-336 EAST 110TH STREET
NEW YORK, NY 10029

☒ Additional Parties Listed on Continuation Page

GRANTEE/BUYER:
PEOPLE OF THE STATE OF NY THRU NYSDEC
625 BROADWAY 14TH FLOOR
ALBANY, NY 12233-1500

FEES AND TAXES

Mortgage :		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	97.00
Affidavit Fee:	$	0.00

Filing Fee:	$	100.00
NYC Real Property Transfer Tax:	$	0.00
NYS Real Estate Transfer Tax:	$	0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 09-27-2016 10:56
City Register File No.(CRFN): **2016000336912**

City Register Official Signature

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2016092101331001001CF69D

RECORDING AND ENDORSEMENT COVER PAGE (CONTINUATION) **PAGE 2 OF 14**

Document ID: 2016092101331001 Document Date: 09-12-2016 Preparation Date: 09-21-2016
Document Type: EASEMENT

PARTIES

GRANTOR/SELLER:
HP EAST 138TH STREET HOUSING DEV. FUND CO,
INC.
C/O HOUSING PARTNERSHIP DEV.
CORPORATION, 242 WEST 36TH STREET, 3RD FLOOR

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 12th day of September, 2016, between Owner(s) HP East 138th Street Housing Development Fund Company, Inc., (the "Grantor Fee Owner") having an office at c/o Housing Partnership Development Corporation, 242 West 36th Street, 3rd Floor, New York, New York 10018, County of New York, State of New York, and East 138th Street LLC, (the "Grantor Beneficial Owner"), having an office at c/o Urban Builders Collaborative, LLC, 334-336 East 110th Street, New York, New York 10029, County of New York, State of New York (collectively, the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 255 East 138th Street in the City of New York, County of Bronx and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel numbers: Block 2333 Lot 1, being the same as that property conveyed to Grantor by deed dated June 26, 2015 and recorded in the City Register of the City of New York at CRFN # 2015000253015. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.35874 +/- acres, and is hereinafter more fully described in the Land Title Survey dated June 9, 2015 and last revised June 15, 2016 prepared by Saeid Jalilvand, NYSLLS of Montrose Surveying Co., LLP, which will be attached to the Site Management Plan. The Controlled Property

descriptions are set forth in and attached hereto as Schedule A (Track 2 Area) and Schedule B (Track 4 Area); and

WHEREAS, Grantor Beneficial Owner, is the owner of the beneficial interest in the Controlled Property being the same as a portion of that beneficial interest conveyed to Grantor Beneficial Owner by means of a Declaration of Interest and Nominee Agreement dated June 26, 2015 and recorded in the City Register of the City of New York at CRFN # 2015000253016; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: C203057-05-11 as amended September 4, 2015, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Residential as described in 6 NYCRR Part 375-1.8(g)(2)(i), Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv) except that portion of the Controlled Property described in Schedule B as the "Track 4 Parcel", which may be used for Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in

the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for raising livestock or producing animal products for human consumption, except that portion of the controlled property identified in Schedule B herein (the Track 4 parcel), which shall not be used for Residential purposes as defined in 6 NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC

625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall

identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:
Site Number: C203057
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:
Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor Fee Owner has caused this instrument to be signed in its name.

HP East 138th Street Housing Development Fund Company, Inc.:

By: _____

Print Name: Daniel M. Cohen

Title: Vice President Date: 8/18/2016

Grantor Fee Owner's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF New York)

On the 18 day of August, in the year 2016, before me, the undersigned, personally appeared Daniel M. Cohen, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Nadja K. Alvarado
Notary Public - State of New York

SEAL

Nadja K Alvarado
Notary Public, State of New York
No.01AL6139746
Qualified in New York County
Commission Expires Jan.17,2018

IN WITNESS WHEREOF, Grantor Beneficial Owner has caused this instrument to be signed in its name.

East 138th Street LLC

By: _____

Print Name: Nicholas Lettire

Title: Managing Member Date: 8/15/16

Grantor Beneficial Owner's Acknowledgment

SEAL

EDYTA SANTIAGO
Notary Public, State of New York
No. 01SA6330571
Qualified in Kings County
Commission Expires 09/14/2019

STATE OF NEW YORK)
) ss:
COUNTY OF KING)

On the 15th day of August, in the year 2016, before me, the undersigned, personally appeared Nicholas Lettire, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Edyta Santiago
Notary Public - State of New York
No. 01SA6330571
Qualified in Kings County
Commission Expires 9/14/2019

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 12th day of September, in the year 2016, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

SEAL

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2018

SCHEDULE "A" PROPERTY DESCRIPTION TRACK 2 PARCEL

METES AND BOUNDS DESCRIPTION
Track 2 Cleanup Standards Achieved Area

ALL that certain plot, piece, or parcel of land situate, lying and being in the Borough and County of the Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the northerly side of East 138th Street (100 feet wide), distant 52.81 feet (52.87 feet U.S.) easterly from the corner formed by the intersection of the northerly side of East 138th Street with the easterly side of Rider Avenue (60 feet wide);

RUNNING THENCE northerly, parallel with the easterly side of Rider Avenue, 92.08 feet to a point;

RUNNING THENCE easterly, at right angles to the last mentioned course, 147.92 feet (148.08 feet U.S.) to a point;

RUNNING THENCE southerly, at right angles to the last mentioned course, 19.91 feet to a point;

RUNNING THENCE easterly, at right angles to the westerly side of 3rd Avenue (Irregular width) 34.92 feet (34.96 feet U.S.) to the westerly side of 3rd Avenue;

RUNNING THENCE southerly along the westerly side of 3rd Avenue, 10.05 feet to a point;

RUNNING THENCE westerly, at right angles to the last mentioned course, 71.13 feet (71.21 feet U.S.) to a point of curvature;

RUNNING THENCE southwesterly and southerly, along a curve bearing to the left, having a radius of 5.60 feet, an arc length of 8.80 feet to a point of tangency;

RUNNING THENCE southerly, at right angles to the northerly side of East 138th Street, 56.62 feet to the northerly side of East 138th Street;

RUNNING THENCE westerly, along the northerly side of East 138th Street, 106.11 feet (106.23 feet U.S.) to the point or place of BEGINNING

The area of above described track is 11,394 sq. ft. or 0.26157 acre.

SCHEDULE "B" PROPERTY DESCRIPTION TRACK 4 PARCEL

METES AND BOUNDS DESCRIPTION
Track 4 Cleanup Standards Achieved Area

ALL that certain plot, piece, or parcel of land situate, lying in the Borough and County of the Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of 3rd Avenue (Irregular width) distant 76.04 feet northerly from the corner formed by the intersection of the westerly side of 3rd Avenue with the northerly side of East 138th Street (100 feet wide);

RUNNING THENCE northerly, along the westerly side of 3rd Avenue, 3.87 feet to a point;

RUNNING THENCE westerly, along a line forming an angle of 94 degrees 34 minutes 20 seconds on the southwest with the westerly side of 3rd Avenue, 32.15 feet (32.19 feet U.S.) to a point;

RUNNING THENCE northerly, along a line forming an angle of 89 degrees 46 minutes 15 seconds on the northeast with the last mentioned course, 21.47 feet to the centerline of the block;

RUNNING THENCE westerly, along the centerline of the block, along a line forming an angle of 85 degrees 11 minutes 55 seconds on the southwest with the last mentioned course, 180.40 feet (180.59 feet U.S.) to a point;

RUNNING THENCE southerly, parallel with the easterly side of Rider Avenue (60 feet wide) 100 feet to the northerly side of East 138th Street:

RUNNING THENCE easterly, along the northerly side of East 138th Street, 27.81 feet (27.84 feet U.S.) to a point;

RUNNING THENCE northerly, parallel with the easterly side of Rider Avenue 92.08 feet to a point;

RUNNING THENCE easterly, at right angles to the last mentioned course, 147.92 feet (148.08 feet U.S.) to a point;

RUNNING THENCE southerly, at right angles to the last mentioned course, 19.91 feet to a point;

RUNNING THENCE easterly, at right angles to the westerly side of 3rd Avenue, 34.92 feet (34.96 feet U.S.) to the westerly side of 3rd Avenue, the point or place of BEGINNING.

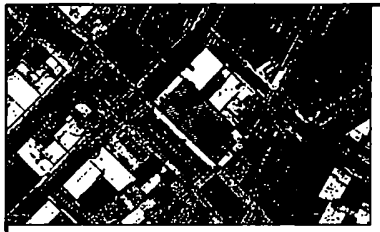
The area of above described track is 4,221 sq. ft. or 0.09690 acre.

TITLE NO. 3214-00044

SURVEY NO. 63781-2

63781-2.DWG
63781001.CRD

ENVIRONMENTAL EASEMENT SURVEY



VICINITY MAP
NOT TO SCALE

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.

THE ENGINEERING AND INSTITUTIONAL CONTROLS for the Easement are set forth in more detail in the Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@dec.ny.gov.

ENVIRONMENTAL EASEMENT BOUNDARY

TRACK 4 CLEANUP STANDARDS ACHIEVED AREA BOUNDARY

TRACK 2 CLEANUP STANDARDS ACHIEVED AREA BOUNDARY

ENVIRONMENTAL EASEMENT AREA ACCESS

THE DEC OR THEIR AGENT MAY ACCESS THE ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS/EGRESS ACCESS POINT.

ENGINEERING CONTROLS

- **Soil Vapor Barrier and Site-Wide Cover System. The metes and bounds for the engineering controls are the same as the Site metes and bounds.**

SITE METES AND BOUNDS DESCRIPTION

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of the Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of East 138th Street (100 feet wide), distant 25.03 feet (25.03 feet U.S.) easterly from the corner formed by the intersection of the westerly side of East 138th Street with the easterly side of Rider Avenue (80 feet wide);

RUNNING THENCE northerly parallel with the easterly side of Rider Avenue, 100 feet to the corner line of the block between 138th and 139th Streets;

THENCE easterly along the corner line of the block, 105.40 feet (105.39 feet U.S.) to a point;

THENCE southerly along a line forming an interior angle of 89 degrees 11 minutes 30 seconds with the last mentioned course, 76.04 feet to a point;

THENCE easterly along a line forming an interior angle of 90 degrees 48 minutes 30 seconds with the last mentioned course, 32.18 feet to the westerly side of Third Avenue;

THENCE southerly along the westerly side of Third Avenue, 76.04 feet to the northerly side of East 138th Street;

THENCE westerly along the northerly side of East 138th Street, 210.65 feet to the point or place of BEGINNING.

The area of above described parcel is 22,599 sq. ft. or 0.51881 acre.

METES AND BOUNDS DESCRIPTION
ENVIRONMENTAL EASEMENT

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of the Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the northerly side of East 138th Street (100 feet wide), distant 25.03 feet (25.03 feet U.S.) easterly from the corner formed by the intersection of the northerly side of East 138th Street with the easterly side of Rider Avenue (80 feet wide);

RUNNING THENCE northerly, parallel with the easterly side of Rider Avenue, 100 feet to the corner line of the block between 138th and 139th Streets;

THENCE easterly along the corner line of the block, 105.40 feet (105.39 feet U.S.) to a point;

THENCE southerly along a line forming an interior angle of 89 degrees 11 minutes 30 seconds with the last mentioned course, 76.04 feet to a point;

THENCE easterly along a line forming an exterior angle of 90 degrees 48 minutes 30 seconds with the last mentioned course, 32.18 feet (32.19 feet U.S.) to the easterly side of Third Avenue;

RUNNING THENCE southerly along the easterly side of Third Avenue, 76.04 feet (76.03 feet U.S.) to a point of curvature;

RUNNING THENCE southeasterly and southerly, along a curve bearing to the left, having a radius of 5.00 feet, an arc length of 7.85 feet to a point of tangency;

RUNNING THENCE westerly, at right angles to the easterly side of East 139th Street, 95.42 feet to the side of East 139th Street;

RUNNING THENCE northerly, along the northerly side of East 139th Street, 132.50 feet (132.47 feet U.S.) to the point or place of BEGINNING.

The area of above described parcel is 12,021 sq. ft. or 0.27594 acre.

METES AND BOUNDS DESCRIPTION
Track 2 Cleanup Standards Achieved Area

ALL that certain plot, piece, or parcel of land situate, lying and being in the Borough and County of the Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of East 138th Street (100 feet wide), distant 53.68 feet (53.67 feet U.S.) easterly from the corner formed by the intersection of the easterly side of East 138th Street with the westerly side of Rider Avenue (80 feet wide);

RUNNING THENCE northerly, parallel with the easterly side of Rider Avenue, 100 feet to a point;

RUNNING THENCE easterly, at right angles to the last mentioned course, 147.20 feet (146.99 feet U.S.) to a point;

RUNNING THENCE southerly, at right angles to the last mentioned course, 18.00 feet to a point;

RUNNING THENCE easterly, at right angles to the westerly side of 3rd Avenue (formerly width) 39.00 feet (38.98 feet U.S.) to the westerly side of 3rd Avenue;

RUNNING THENCE southerly along the westerly side of 3rd Avenue, 58.00 feet to a point;

RUNNING THENCE southwesterly, at right angles to the last mentioned course, 71.13 feet (71.21 feet U.S.) to a point of curvature;

RUNNING THENCE southwesterly and southerly, along a curve bearing to the left, having a radius of 5.00 feet, an arc length of 7.85 feet to a point of tangency;

RUNNING THENCE southwesterly, at right angles to the westerly side of East 138th Street, 39.42 feet to the westerly side of East 138th Street;

RUNNING THENCE northerly, along the westerly side of East 138th Street, 106.11 feet (106.25 feet U.S.) to the point or place of BEGINNING.

The area of above described track is 11,304 sq. ft. or 0.25717 acre.

METES AND BOUNDS DESCRIPTION
Track 4 Cleanup Standards Achieved Area

ALL that certain plot, piece, or parcel of land situate, lying and being in the Borough and County of the Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of 3rd Avenue distant(as readily distant 58.00 feet northerly from the corner formed by the intersection of the westerly side of 3rd Avenue with the northerly side of East 138th Street (100 feet wide);

RUNNING THENCE northerly, along the westerly side of 3rd Avenue, 1.67 feet to a point;

RUNNING THENCE westerly, along a line forming an angle of 89 degrees 34 minutes 30 seconds on the southwest with the westerly side of 3rd Avenue, 32.18 feet (32.19 feet U.S.) to a point;

RUNNING THENCE southerly, along a line forming an angle of 90 degrees 48 minutes 30 seconds on the southwest with the last mentioned course, 22.47 feet to the westerly side of East 138th Street;

RUNNING THENCE westerly, along the westerly side of East 138th Street, along a line forming an angle of 89 degrees 11 minutes 30 seconds on the southwest with the last mentioned course, 105.40 feet (105.39 feet U.S.) to a point;

RUNNING THENCE northerly, parallel with the easterly side of Rider Avenue 58.00 feet (58.00 feet U.S.) to a point;

RUNNING THENCE easterly, along the northerly side of East 138th Street, 27.61 feet (27.61 feet U.S.) to a point;

RUNNING THENCE northerly, parallel with the easterly side of Rider Avenue 42.00 feet to a point;

RUNNING THENCE easterly, at right angles to the last mentioned course, 147.20 feet (146.99 feet U.S.) to a point;

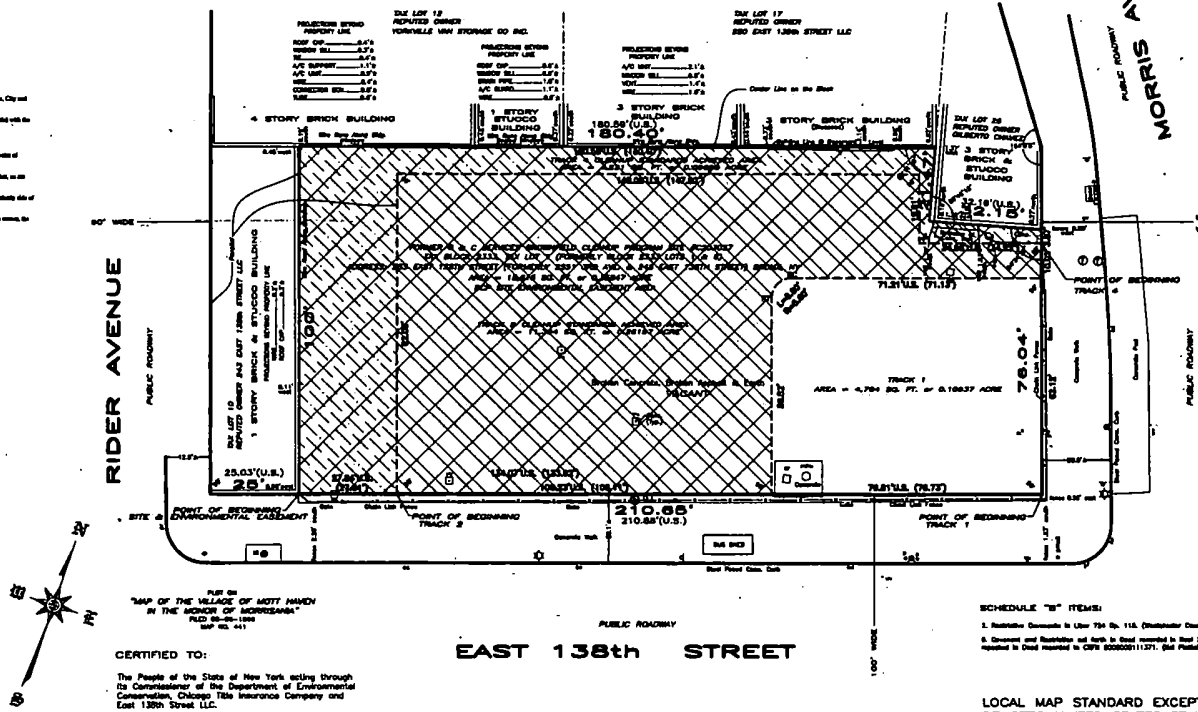
RUNNING THENCE southerly, at right angles to the last mentioned course, 99.91 feet to a point;

RUNNING THENCE westerly, at right angles to the westerly side of 3rd Avenue, 34.50 feet (34.50 feet U.S.) to the westerly side of 3rd Avenue, the point or place of BEGINNING.

The area of above described track is 4,221 sq. ft. or 0.09688 acre.

LEGEND

ASPH.—ASPHALT	PR.—PEDESTRIAN RAMP
BR.—BRICK	RET.—RETAINING
BNDY.—BOUNDARY	RIM.—RIM ELEVATION (SEWER MANHOLE)
CB.—CATCH BASIN	SPOT.—SPOT ELEVATION (FLOOD CURB INLET)
CCR.—CONCRETE CURB ROUND	STY.—STORY
CO.—CELLAR DOOR	TB.—TOP OF BANK ELEVATION
CLF.—CHAIN LINK FENCE	TL.—TRAFFIC LIGHT
CO.—CATCH BASIN CLOSED CURB INLET	TEL.—TELEPHONE
CONC.—CONCRETE	TP.—TELEPHONE POLE
CWF.—CHAIN WIRE FENCE	TS.—TRAFFIC SIGN
CWA.—CELLAR WINDOW AREA	TW.—ELEVATION AT TOP OF WALL
DR.—DRAIN	UP.—UTILITY POLE
EL.—ELEVATION	VC.—VALVE CHAMBER
FAB.—FIRE ALARM BOX	VLT.—VAULT (BASEMENT)
FC.—FILL CAP	VP.—VENT PIPE
F. EL.—FLOOR ELEVATION	WV.—WATER VALVE
GP.—GUARD POLE	12"S.—SEWER MAIN WITH SIZE
GV.—GAS VALVE	12"W.—WATER MAIN WITH SIZE
I.F.—IRON FENCE	12"G.—GAS MAIN WITH SIZE
IRR.—CATCH BASIN INLET ELEVATION	CATCH BASIN
MH.—SEWER MANHOLE ELEVATION	ELECTRIC MANHOLE / VAULT
LP.—LIGHT POLE	FIRE MANHOLE
MB.—MAIL BOX	GAS MANHOLE
MH.—SEWER MANHOLE	SEWER MANHOLE
OF.—OIL FILL	TELEPHONE MANHOLE
OHW.—OVERHEAD WIRES	WATER MANHOLE
P.—POLE	SIAMESE VALVE
PAP.—PAVEMENT	HYDRANT
PH.—PARKING METER	WATER MAIN SIZE
PM&T.—POLE, MULTIPLE USAGE	17.0 CONTOUR/ELEVATION, SPOT
A—SPRINKLER	TRAFFIC FLOW
MONITORING WELL	SUBWAY MANHOLE



FILED ON
"MAP OF THE VILLAGE OF MOTT HAVEN IN THE MONOR OF MORRISANIA"
FILED 08-09-1899
MAP NO. 441

CERTIFIED TO:

The People of the State of New York acting through its Commissioner of the Department of Environmental Conservation, Chicago Title Insurance Company and East 138th Street LLC.

SCHEDULE "B" ITEMS:

5. Restrictive Covenants in Liber 734 Pg. 116. (Westchester County) (Not Plottable)

6. Covenant and Restriction set forth in Deed recorded in Reel 2539 Page 1015, modified in Deed recorded in CRFN 2006000111371. (Not Plottable)

LOCAL MAP STANDARD EXCEPT WHERE NOTED U.S. WHICH DENOTES UNITED STATES STANDARD OF MEASUREMENT

FLOOD HAZARD NOTE

THE PARCEL SURVEYED IS COMPRISED OF AREAS DESIGNATED AS ZONE X (SHADED) FROM 0.2 PERCENT OF FLOODING ZONE X (SHADED) BETWEEN 0.2% AND 0.1 (CHANCE OF FLOODING) FEDERAL EMERGENCY MANAGEMENT AGENCY NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 3604970081 F EFFECTIVE DATE SEPTEMBER 5, 2007

PRELIMINARY FLOOD HAZARD NOTE

THE PARCEL SURVEYED IS COMPRISED OF AREAS DESIGNATED AS ZONE X (AREA FROM 0.2% CHANCE OF FLOODING) ZONE X (AREA BETWEEN 0.2% AND 1% CHANCE OF FLOODING) ZONE AE (EL 11' NAVD 1988) FEDERAL EMERGENCY MANAGEMENT AGENCY NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 3604970081 G PRELIMINARY JANUARY 30, 2013

ESTABLISHED 1979 • SUCCESSOR TO:

GRAPHIC SCALE — FEET
10 0 16 32 48

GRAPHIC SCALE - METERS

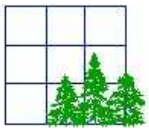
REV	DATE	DESCRIPTION

REV	DATE	DESCRIPTION
	08-09-13	ENVIRONMENTAL EASEMENT SURVEY
A	09-13-16	ENVIRONMENTAL EASEMENT BOUNDARY REVISED

MONTROSE
SURVEYING CO., LLP.
CITY & LAND SURVEYORS

CITY OF NEW YORK
COUNTY THE BRONX
TAX BLOCK 2333
TAX LOT 1

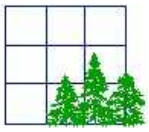
SCALE: 1" = 16'



APPENDIX II

LIST OF SITE CONTACTS

Name	Phone/Email Address
Roger Piné	212-996-6640 / rpine@lettire.com
Matthew Gross	212-996-6640 mgross@lettire.com
John Checchio	732-223-2225/ jchecchio@brinkenv.com
Sean Harrison	732-223-2225/ sharrison@brinkenv.com
Robert Hazard	732-223-2225/ rhazard@brinkenv.com
Ira Pierce, P.E.	732-223-2225/ ira.pierce@gmail.com
Bryan Wong	yukyin.wong@dec.ny.gov
Jane O'Connell	jane.oconnell@dec.ny.us
Kelly Lewandowski	kelly.lewandowski@dec.ny.gov
Andrew Guglielmi	andrew.guglielmi@dec.ny.gov
Barb Wolosen	barb.wolosen@dec.ny.us
Megan Joplin	megan.joplin@dec.ny.us
Linda Shaw	lshaw@nyenvlaw.com



APPENDIX III

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: G-1
Date Installed: 4/10/12
Depth to Groundwater: 7.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-1.0	0	Asphalt and roadstone
1.0-6.0	28.1 at 5.5	Concrete, gravel, brown coarse to medium to fine sand
6.0-9.0	82 at 6.0 144 at 7.0 160 at 7.5	Black medium to fine sand (Petroleum stained)
9.0-10.0	3.1	Gray fine sand
10.0-14.5	221 at 11.0 576 at 12.0 125 at 13.0 17.2 at 14.5	Grayish-brown fine sand, some silt, trace clay
14.5-15.0	0	Peat
15.0-25.0	0	Grayish-brown fine sand, some silt, little clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: G-2
Date Installed: 4/9/12
Depth to Groundwater: 7.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-0.5	0	Asphalt and roadstone
0.5-7.0	0	Yellowish-brown coarse to medium to fine sand and gravel (Fill)
7.0-12.0	0	Grayish-brown coarse to medium to fine sand, trace silt, trace clay
12.0-14.0	0	Grayish-brown coarse to medium to fine sand, some silt, little clay
14.0-16.0	0	Peat
16.0-16.5	0	Brown silt, some fine sand
16.5-25.0	0	Gray silt, some fine sand
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton

Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: G-3
Date Installed: 4/10/12
Depth to Groundwater: 6.5 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-1.0	0	Asphalt and roadstone
1.0-4.0	0	Brown fine sand, some silt, trace clay
4.0-5.0	0	Concrete, gravel, brown coarse to medium to fine sand
5.0-6.0	11.2	Concrete
6.0-10.5	763 at 6.0 431 at 7.0 400- 531 to 10.5	Dark brown medium to fine sand (Petroleum Stained)
10.5-15.0	<10.0	Gray fine sand, some silt, trace clay
15.0-18.0	<5.0	Grayish-brown fine sand, some silt, little clay
18.0-20.0	0	Peat
20.0-25.0	0	Grayish-brown fine sand, some silt, trace clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: G-4
Date Installed: 4/9/12
Depth to Groundwater: 6.5 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-0.5	0	Asphalt and roadstone
0.5-6.0	0	Yellowish-brown coarse to medium to fine sand and gravel (Fill)
6.0-9.0	168 at 6.5 328 at 7.0 90 at 8.0 78 at 9.0	Dark brown medium- fine sand, some coal
9.0-12.0	3.8	Brownish-gray fine sand, some silt, trace clay
12.0-15.0	2	Peat
15.0-25.0	0	Gray fine sand, some silt, trace clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton

Duane Shinton, Geologist

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1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: G-5
Date Installed: 4/9/12
Depth to Groundwater: 7.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-0.5	0	Asphalt and roadstone
0.5-6.0	302 at 4.0 792 at 5.0	Yellowish-brown coarse to medium to fine sand and gravel (Fill)
6.0-9.0	>1,000	Dark brown medium- fine sand, some coal
9.0-10.0	3.1	Brownish-gray fine sand, some silt, trace clay
10.0-13.0	10	Gray coarse to medium sand, trace silt
13.0-15.0	0	Gray fine sand, some silt, trace clay
15.0-17.0	20-50	Gray fine sand, some silt
17.0-20.0	0	Peat
20.0-30.0	29.7 at 24.0 11.1 at 24.5 0 to 30.0	Gray fine sand, some silt
30.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: G-6
Date Installed: 4/10/12
Depth to Groundwater: 6.5 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-5.5	0	Brown coarse to medium to fine sand, some medium to quartz gravel (Fill)
5.5-7.0	1,802 at 6.0 1,671 at 7.0	Brown coarse to medium to fine sand, little silt
7.0-9.5	<10.0	Grayish-brown fine sand, some silt, trace clay
9.5-10.0	3.1	Red fine sand, some silt
10.0-12.0	0	Grayish-brown fine sand, some silt, little clay
12.0-15.0	<5.0	Peat
15.0-20.0	0	Brownish-gray fine sand, some silt, trace clay
20.0-25.0	0	Brownish-gray medium to fine sand, some silt, trace clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

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Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: G-7/HF-5
Date Installed: 4/11/12
Depth to Groundwater: 6.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-0.5	0	Asphalt and roadstone
0.5-2.0	0	Concrete
2.0-4.0	0	Brown fine sand, little silt
4.0-5.0	8.2	Large gravel, roadstone
5.0-6.0	28.1	Brown sand and gravel
6.0-7.5	93.5 at 6.5 631 at 7.0 9.1 at 7.5	Gray fine sand and silt, trace clay (Petroleum stained)
7.5-10.0	<10	Brownish-gray fine sand, some silt, trace clay
10.0-11.0	97.6	Brown coarse to medium to fine sand, some silt, trace clay
11.0-15.0	108 a 11.0 56.8 a 13.0 106 a 15.0	Peat
15.0-22.0	<1.0	Grayish/reddish brown fine sand, some silt, trace clay
22.0-25.0	0	Grayish/reddish brown fine sand, trace silt
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

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Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: G-8
Date Installed: 4/11/12
Depth to Groundwater: 6.5 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4.0	0	Brown sand, gravel, brick (Fill)
4.0-5.0	0	Gray shale
5.0-6.5	0	Gray gravel and sand
6.5-10.0	0	Yellowish-brown fine sand, some silt, trace clay, trace gravel
10.0-12.0	0	Grayish-brown medium to fine sand, little silt
12.0-14.5	0	Grayish-brown fine sand, some silt, little clay
14.5-16.0	0	Peat
16.0-20.0	0	Grayish-brown fine sand, some silt, trace clay
20.0-22.0	0	Grayish-brown fine sand some silt, little clay
22.0-25.0	0	Grayish-brown medium to fine sand, little silt, trace clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

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Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: HF-1
Date Installed: 4/9/12
Depth to Groundwater: 7.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-9.0	0	Brown sand, gravel, brick, glass, shale
9.0-12.0	0	Grayish-brown fine sand, some silt
12.0-14.5	0	Grayish-brown fine sand, some silt, trace clay
14.5-16.0	0	Peat
16.0-25.0	0	Gray fine sand, some silt, trace clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: HF-2
Date Installed: 4/11/12
Depth to Groundwater: 6.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-2.0	0	Reddish-brown sand and shale
2.0-6.0	0	Yellowish-brown to fine sand, some silt, trace clay
6.0-10.0	0	Yellow fine sand, some silt, trace clay
10.0-14.5	0	Grayish-brown fine sand, some silt, little clay
14.5-15.0	0	Peat
15.0-25.0	0	Grayish-brown fine sand, some silt, trace clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton

Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: HF-3
Date Installed: 4/10/12
Depth to Groundwater: 10.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-1.0	0	Brown coarse to medium to fine sand, some gravel, concrete
1.0-2.0	0	Yellowish-brown to fine sand, some silt
2.0-3.0	0	Dark brown silt and clay
3.0-4.0	0	Brick
4.0-6.0	0	Yellowish-brown fine sand, some silt, ironstone at 5.0
6.0-7.0	0	Grayish fine sand, some silt, little clay
7.0-11.0	0	Brown fine sand, some silt, trace clay
11.0-14.5	0	Grayish brown fine sand, some silt, trace clay
14.5-17.0	0	Peat
17.0-21.0	0	Grayish fine sand, some silt, trace clay, trace organics
21.0-25.0	0	Gray medium to fine sand, some silt, trace fine gravel
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton

Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: HF-4
Date Installed: 4/11/12
Depth to Groundwater: 6.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-1.0	0	Asphalt and roadstone
1.0-10.0	35.7 at 4.0 1.6 at 5.0	Reddish-brown coarse to medium to fine sand and gravel (Fill)
10.0-14.0	0	Grayish-brown fine sand, some silt, trace clay
14.0-16.5	0	Peat
16.5-20.0	0	Grayish-brown fine sand, little silt, trace clay, trace organics
20.0-25.0	0	Grayish-brown medium to fine sand, little silt
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton

Duane Shinton, Geologist

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1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: HF-6
Date Installed: 4/10/12
Depth to Groundwater: 7.00 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-6.0	0	Brown coarse to medium to fine sand and gravel (Fill)
6.0-9.0	0	Dark brown coarse to medium to fine sand, some coal
9.0-9.5	0	Gray fine sand, some silt
9.5-10.0	3.1	Quartz gravel
10.0-14.5	0	Brownish-gray fine sand, some silt, little clay
14.5-15.0	0	Peat
15.0-25.0	0	Grayish-brown fine sand, some silt, little clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton

Duane Shinton, Geologist

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Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: GAR-1
Date Installed: 4/9/12
Depth to Groundwater: 6.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-6.5	0	Brown sand and gravel, brick, concrete (Fill)
6.5-8.0	0	Dark brown fine sand, little silt, trace clay
8.0-14.0	0	Brownish-gray silt, little clay, trace fine sand
14.0-16.0	0	Peat
16.0-20.0	0	Gray silt, little fine sand
20.0-25.0	0	Green silt and clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

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1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: GAR-2
Date Installed: 4/9/12
Depth to Groundwater: 6.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-6.5	0	Brown sand and gravel, brick, concrete (Fill)
6.5-9.0	0	Dark brown medium to sand, some coal
9.0-14.0	0	Brownish-gray fine sand some silt, trace clay
14.0-15.0	0	Peat
15.0-16.0	0	Brown fine sand, some silt, little clay
16.0-20.0	0	Gray fine sand, some silt, trace clay
20.0-22.0	0	Gray medium to fine sand, little silt
22.0-25.0	0	Gray fine sand, some silt, little caly
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: KFC-1
Date Installed: 4/10/12
Depth to Groundwater: 7.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-3.0	0	Brown coarse to medium to fine sand, little brick (Fill)
3.0-4.0	0	Concrete
4.0-7.0	0	Yellowish-brown coarse to medium to fine sand, little coal
7.0-10.0	0	Grayish-brown medium to fine sand, little silt, trace clay
10.0-14.0	0	Grayish-brown fine sand, some silt, little clay
14.0-16.0	0	Peat
16.0-21.0	0	Grayish-brown fine sand, some silt, trace clay
21.0-21.5	0	Gray coarse to medium to fine sand, little silt
21.5-25.0	0	Gray fine sand, some silt, little clay
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton

Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: 255 East 138th Street
Project No.: 10BR188
Location: 255 East 138th Street
Bronx, New York

Soil Boring/Test Pit ID: KFC-2
Date Installed: 4/9/12
Depth to Groundwater: 7.0 Feet

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-8.0	0	Yellowish-brown coarse to medium to fine sand and gravel (Fill)
8.0-13.0	0	Gray fine sand, little silt, schist 9.5 feet
13.0-14.5	0	Grayish-brown fine sand, some silt, trace clay
14.5-16.0	0	Peat
16.0-17.5	0	Grayish-brown fine sand, some silt, trace clay
17.5-22.0	0	Grayish-brown silt, some fine sand
22.0-25.0	0	Grayish-brown medium to fine sand, little silt
25.0		**Total Depth**
		Soil Samples Collected for Laboratory Analysis

Date: 8/13/12 **Signature:** Duane Shinton
Duane Shinton, Geologist

Well Log

Project: 255 East 138th Street	Well Permit Number:	Boring/Well No.: MW-1
Project No.: 10BR188	Drilling Co.: Zebra	Lock No.:
Site: 255 East 138th Street, Bronx, New York	Driller:Zebra	Start Date: 4/12/12
Geologist: Duane Shinton	Drilling Method: Hollow Stem Auger	Date Complete: 4/12/12
Ground Elev.:	Drilling Equip:	Total Boring Depth: 13.5' (13.13' Well)
Top of Casing Elev.:	Static Water (below TOC): 6.08'	Product Thickness: 0

Remarks:

GEOLOGIC LOG	Depth (ft.)	Blow/6 inches	Recovery (inches)	PID (ppm)	Sample
Asphalt/stone	0-6"			0.0	
Yellow-brown coarse to medium to fine sand and gravel (Fill)	6"-1'			0.0	
Yellow-brown coarse to medium to fine sand and gravel (Fill)	1'-1.5'			0.0	
Yellow-brown coarse to medium to fine sand and gravel (Fill)	1.5'-6'			0.0	
Dark brown to black medium ot fine sand, fine gravel	6'-9'			168 at 6.5' 328 at 7' 90 at 8' 78 at 9'	
Brown-gray fine sand, some silt, trace clay	9'-10'			36	
Gray coarse to medium sand, trace silt	10'-13'			< 5	
Gray fine sand, ,some silt, trace clay	13'-13.5'			0	

AS-BUILT WELL SCHEMATIC



Well Material:
Well Casing diameter: 2"
Well casing length: 3.13'
Grout/concrete length: 0.5'
Bentonite length: 0.5'
Gravel pack length: 12'
Well Screen diameter: 2"
Well screen length: 10'
Well slot size: 0.01
Total Well Depth: 13.13'
Bore hole diameter: 8"

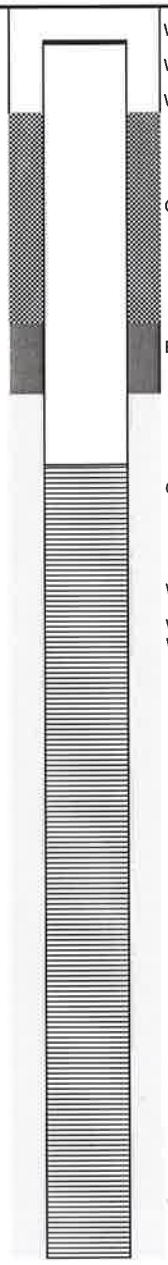
Well Log

Project: 255 East 138th Street	Well Permit Number:	Boring/Well No.: MW-2
Project No.: 10BR188	Drilling Co.: Zebra	Lock No.:
Site: 255 East 138th Street, Bronx, New York	Driller:Zebra	Start Date: 4/12/12
Geologist: Duane Shinton	Drilling Method: Hollow Stem Auger	Date Complete: 4/12/12
Ground Elev.:	Drilling Equip:	Total Boring Depth: 13.5' (13.11' Well)
Top of Casing Elev.:	Static Water (below TOC): 5.47'	Product Thickness: 0

Remarks:

GEOLOGIC LOG	Depth (ft.)	Blow/6 inches	Recovery (inches)	PID (ppm)	Sample
Asphalt/stone	0-1'			0.0	
Concrete	1'-2'			0.0	
Brown fine sand, little silt	2'-4'			0.0	
Large Gravel	4'-5'			28.1 at 5'	
Brown sand and gravel	5'-6'			28.1 at 5.5'	
Gray fine sand (Sand)	6'-7.5'			93.5 at 6.5' 63.1 t 7' 9.1 at 7.5'	
Brown-gray fine sand, some silt, trace clay	7.5'-10'			6.2 at 8' 3.6 at 9'	
Brown coarse to medium to fine sand, trace fine gravel	10'-11'			97.6	
Peat	11'-13.5'			46.2-108	

AS-BUILT WELL SCHEMATIC



Well Material:
Well Casing diameter: 2"
Well casing length: 3.11
Grout/concrete length: 0.5
Bentonite length: 0.5'
Gravel pack length: 12'
Well Screen diameter: 2"
Well screen length: 10
Well slot size: 0.01
Total Well Depth: 13.11'
Bore hole diameter: 8"

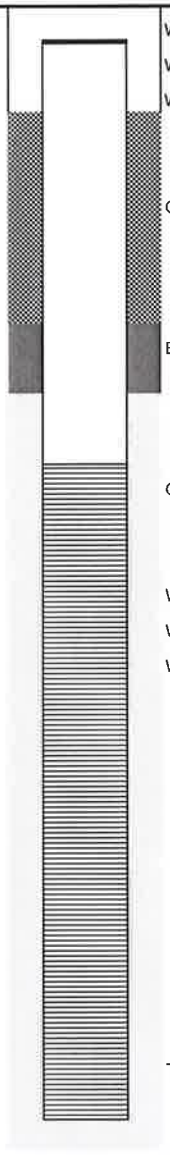
Well Log

Project: 255 East 138th Street	Well Permit Number:	Boring/Well No.: MW-3
Project No.: 10BR188	Drilling Co.: Zebra	Lock No.:
Site: 255 East 138th Street, Bronx, New York	Driller:Zebra	Start Date: 4/12/12
Geologist: Duane Shinton	Drilling Method: Hollow Stem Auger	Date Complete: 4/12/12
Ground Elev.:	Drilling Equip:	Total Boring Depth: 14' (13.82' Well)
Top of Casing Elev.:	Static Water (below TOC): 7.86'	Product Thickness: 0

Remarks:

GEOLOGIC LOG	Depth (ft.)	Blow/6 inches	Recovery (inches)	PID (ppm)	Sample
Asphalt/stone	0-1'			0.0	
Dark brown coarse to medium to fine sand and gravel	1'-5'			0.0	
Dark brown/black medium to fine sand, some silt trace clay	5'-10'			0	
Gray-brown fine sand, some silt	10'-14'			0	

AS-BUILT WELL SCHEMATIC



Well Material:
Well Casing diameter: 2"
Well casing length: 3.82
Grout/concrete length: 1.0
Bentonite length: 0.5'
Gravel pack length: 12'
Well Screen diameter: 2"
Well screen length: 10
Well slot size: 0.01
Total Well Depth: 13.82'
Bore hole diameter: 8"

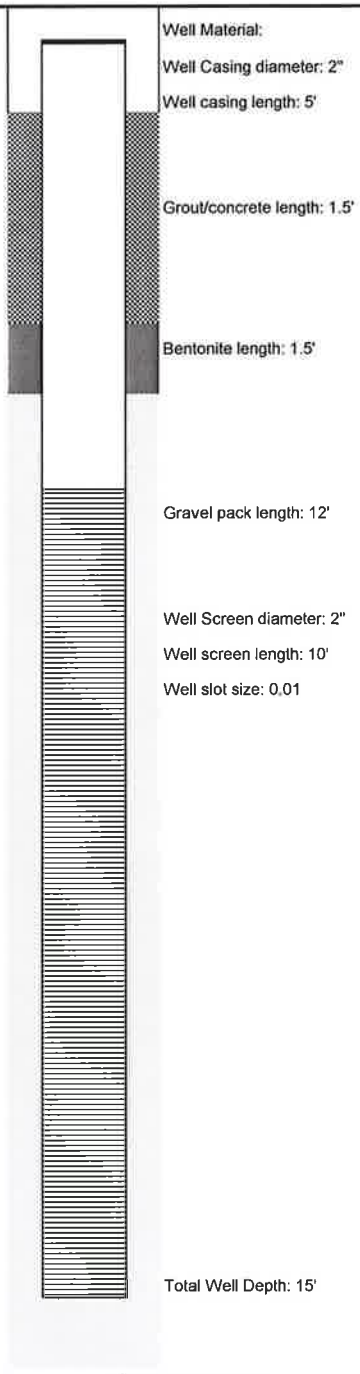
Well Log

Project: 255 East 138th Street	Well Permit Number:	Boring/Well No.: MW-4
Project No.: 10BR188	Drilling Co.: Zebra	Lock No.:
Site: 255 East 138th Street, Bronx, New York	Driller:Zebra	Start Date: 4/12/12
Geologist: Duane Shinton	Drilling Method: Hollow Stem Auger	Date Complete: 4/12/12
Ground Elev.:	Drilling Equip:	Total Boring Depth: 15' (15' Well)
Top of Casing Elev.:	Static Water (below TOC): 6.18'	Product Thickness: 0

Remarks:

GEOLOGIC LOG	Depth (ft.)	Blow/6 inches	Recovery (inches)	PID (ppm)	Sample
Brown coarse to medium to fine sand, gravel, brick (Fill)	0-4'			0.0	
Gray Shale	4'-5'			0.0	
Gray gravel and sand	5'-6.5'			0.0	
Brown-gray fine sand, some silt, trace clay	6.5'-10'			0.0	
Gray-brown medium to fine sand, little silt	10'-12'			0.0	
Gray-brown fine sand, some silt, little clay	12'-14.5'			0.0	
Peat	14.5'-15'			0.0	

AS-BUILT WELL SCHEMATIC

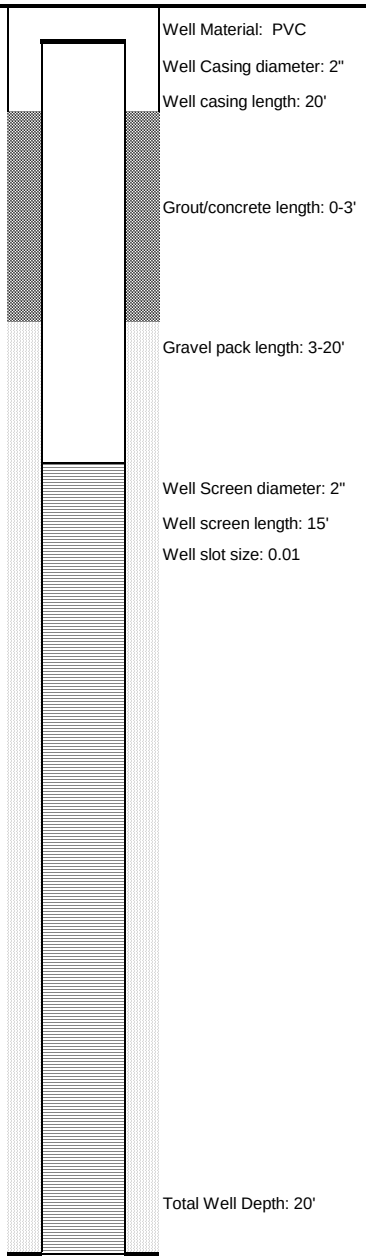


Well Log

Project: 255 East 138th Street	Well Permit Number: NA	Boring/Well No.: SMW-1
Project No.: 10BR188	Drilling Co.: AARCO Env ironmental Services Corp.	Lock No.: NA
Site: 255 East 138th Street, Bronx, New York	Driller:Daybi	Start Date: 4/28/16
Geologist: Monica Norton	Drilling Method: Direct-Push	Date Complete: 4/28/16
Ground Elev.: NA	Drilling Equip: GeoProbe 7822-DT Drill Rig	Total Boring Depth: 20' (20' Well)
Top of Casing Elev.: NA	Static Water (below TOC): 7.51	Product Thickness: N/A

Remarks: No soil log was collected/recorded since the well was installed via direct-push.

AS-BUILT WELL SCHEMATIC

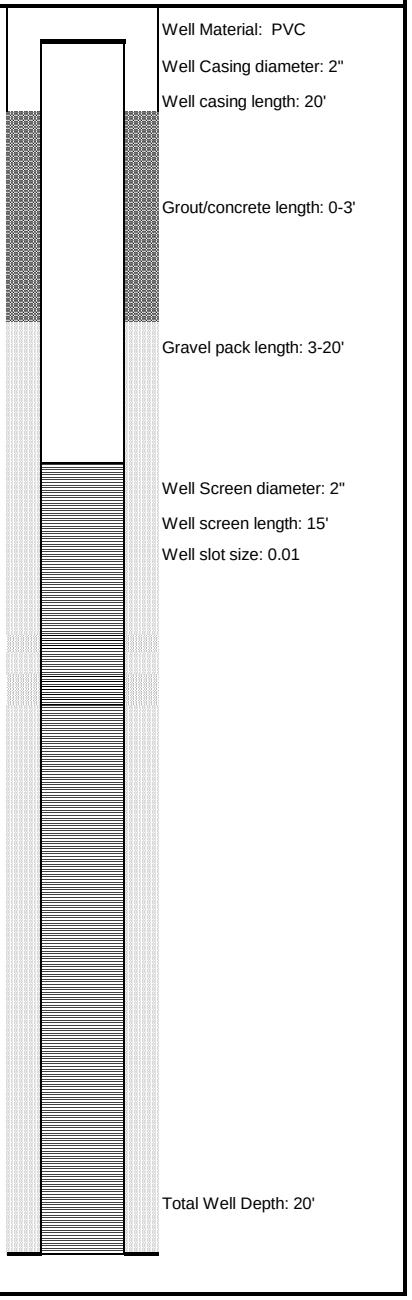


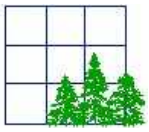
Well Log

Project: 255 East 138th Street	Well Permit Number: NA	Boring/Well No.: SMW-2
Project No.: 10BR188	Drilling Co.: AARCO Environmental Services Corp.	Lock No.: NA
Site: 255 East 138th Street, Bronx, New York	Driller: Daybi	Start Date: 12/15/2016
Geologist: Monica Norton	Drilling Method: Direct-Push	Date Complete: 12/15/2016
Ground Elev.: NA	Drilling Equip: Geoprobe 7822-DT Drill Rig	Total Boring Depth: 20' (20' Well)
Top of Casing Elev (above grade surface).: 2'	Static Water (below TOC): 8.3'	Product Thickness: N/A

Remarks: No soil log was collected/recorded since the well was installed via direct-push.

AS-BUILT WELL SCHEMATIC





APPENDIX IV

Accredited Analytical Resources, LLC.

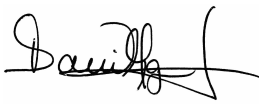
03 November 2015 AAR Work Order: 1501878

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/20/2015 15:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

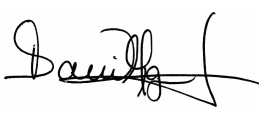
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-1	1501878-01	Soil	10/19/2015 11:30	10/20/2015 15:15
EP-2	1501878-02	Soil	10/19/2015 11:35	10/20/2015 15:15
EP-3	1501878-03	Soil	10/19/2015 11:40	10/20/2015 15:15
EP-4	1501878-04	Soil	10/19/2015 11:45	10/20/2015 15:15
EP-5	1501878-05	Soil	10/19/2015 11:50	10/20/2015 15:15

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
E	Concentration exceeds calibration range
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/03/2015 15:48

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

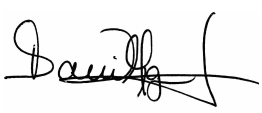
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

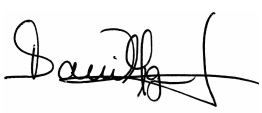
Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	37.8	63.0	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	12.6	63.0	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
67-64-1	**Acetone**	**637**	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**75.1**	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
78-93-3	2-Butanone	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
71-43-2	Benzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U

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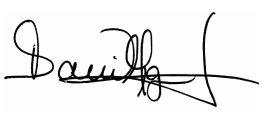

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-88-3	Toluene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	12.6	25.2	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	12.6	25.2	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
100-42-5	Styrene	ND	6.30	25.2	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.30	12.6	ug/kg dry	1	10/26/15 15:22	10/26/15 15:22/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*114 %*	*70-130*		*10/26/15 15:22*	*10/26/15 15:22/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*101 %*	*70-130*		*10/26/15 15:22*	*10/26/15 15:22/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*76 %*	*70-130*		*10/26/15 15:22*	*10/26/15 15:22/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
108-95-2	Phenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
78-59-1	Isophorone	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	186	747	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	74.7	747	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
86-73-7	Fluorene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
120-12-7	Anthracene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
129-00-0	Pyrene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	186	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
218-01-9	Chrysene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	74.7	374	ug/kg dry	1	10/26/15 06:03	10/27/15 16:46/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*35 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:46/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*40 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:46/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*33 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:46/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl	*37 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:46/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*49 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:46/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*90 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:46/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	14.9	14.9	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.98	2.98	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.48	1.48	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	74.7	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U

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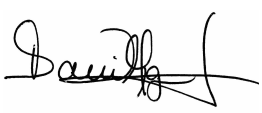

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	37.2	74.7	ug/kg dry	1	10/23/15 06:21	10/23/15 15:36/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*75.5 %*	*30-150*		*10/23/15 06:21*	*10/23/15 15:36/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*78.2 %*	*30-150*		*10/23/15 06:21*	*10/23/15 15:36/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*72.1 %*	*30-150*		*10/23/15 06:21*	*10/23/15 15:36/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*75.3 %*	*30-150*		*10/23/15 06:21*	*10/23/15 15:36/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**7420**	44.8	44.8	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-36-0	Antimony	ND	8.97	8.97	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.58**	2.24	2.24	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-39-3	**Barium**	**57.1**	44.8	44.8	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-41-7	Beryllium	ND	1.12	1.12	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	1.12	1.12	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-70-2	**Calcium**	**11300**	56.1	56.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-47-3	**Chromium**	**15.6**	4.48	4.48	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-48-4	Cobalt	ND	11.2	11.2	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-50-8	**Copper**	**16.2**	6.73	6.73	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7439-89-6	**Iron**	**13300**	56.1	56.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7439-92-1	**Lead**	**12.3**	2.24	2.24	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7439-95-4	**Magnesium**	**6000**	112	112	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7439-96-5	**Manganese**	**373**	4.48	4.48	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-1

Lab ID: 1501878-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**12.9**	8.97	8.97	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-09-7	**Potassium**	**1410**	112	112	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7782-49-2	Selenium	ND	8.97	8.97	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-22-4	Silver	ND	1.12	1.12	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-23-5	**Sodium**	**594**	112	112	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-28-0	Thallium	ND	3.36	6.73	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**25.1**	11.2	11.2	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
7440-66-6	**Zinc**	**44.8**	13.5	13.5	mg/kg dry	1	10/26/15 09:32	10/26/15 14:04/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.168	0.168	mg/kg dry	1	10/26/15 08:59	10/26/15 14:04/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	2.24	2.24	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**44.6**	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	

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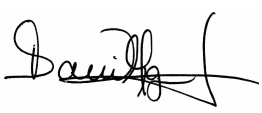

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	22.0	36.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	7.33	36.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
67-64-1	**Acetone**	**17.3**	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
74-87-3	Chloromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
74-83-9	Bromomethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-00-3	Chloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**24.9**	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
78-93-3	2-Butanone	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
67-66-3	Chloroform	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
71-43-2	Benzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-88-3	Toluene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	7.33	14.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
95-47-6	o-Xylene	ND	7.33	14.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
100-42-5	Styrene	ND	3.67	14.7	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
75-25-2	Bromoform	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	3.67	7.33	ug/kg dry	1	10/26/15 15:52	10/26/15 15:52/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*115 %*	*70-130*		*10/26/15 15:52*	*10/26/15 15:52/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*101 %*	*70-130*		*10/26/15 15:52*	*10/26/15 15:52/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*81 %*	*70-130*		*10/26/15 15:52*	*10/26/15 15:52/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
108-95-2	Phenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
78-59-1	Isophorone	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	134	537	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	53.7	537	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
86-73-7	Fluorene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
120-12-7	Anthracene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
129-00-0	Pyrene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	134	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
117-81-7	**bis(2-ethylhexyl)phthalate**	**65.1**	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	J
218-01-9	Chrysene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	53.7	269	ug/kg dry	1	10/26/15 06:03	10/28/15 15:28/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*68 %*	*30-130*		*10/26/15 06:03*	*10/28/15 15:28/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*74 %*	*30-130*		*10/26/15 06:03*	*10/28/15 15:28/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*62 %*	*30-130*		*10/26/15 06:03*	*10/28/15 15:28/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl	*67 %*	*30-130*		*10/26/15 06:03*	*10/28/15 15:28/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*101 %*	*30-130*		*10/26/15 06:03*	*10/28/15 15:28/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*113 %*	*30-130*		*10/26/15 06:03*	*10/28/15 15:28/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	10.7	10.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.15	2.15	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.06	1.06	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	53.7	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U

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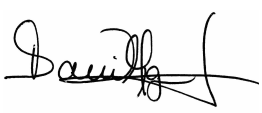

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	26.8	53.7	ug/kg dry	1	10/23/15 06:21	10/23/15 16:07/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*84.3 %*	*30-150*		*10/23/15 06:21*	*10/23/15 16:07/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*92.6 %*	*30-150*		*10/23/15 06:21*	*10/23/15 16:07/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*85.9 %*	*30-150*		*10/23/15 06:21*	*10/23/15 16:07/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*92.5 %*	*30-150*		*10/23/15 06:21*	*10/23/15 16:07/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**12200**	32.3	32.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-36-0	Antimony	ND	6.45	6.45	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**3.14**	1.61	1.61	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-39-3	**Barium**	**61.6**	32.3	32.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.806	0.806	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-43-9	**Cadmium**	**0.958**	0.806	0.806	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-70-2	**Calcium**	**24400**	40.3	40.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-47-3	**Chromium**	**20.9**	3.23	3.23	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-48-4	**Cobalt**	**11.1**	8.06	8.06	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-50-8	**Copper**	**19.5**	4.84	4.84	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7439-89-6	**Iron**	**21500**	40.3	40.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7439-92-1	**Lead**	**17.1**	1.61	1.61	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7439-95-4	**Magnesium**	**15700**	80.6	80.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7439-96-5	**Manganese**	**835**	3.23	3.23	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-2

Lab ID: 1501878-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**17.6**	6.45	6.45	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-09-7	**Potassium**	**2220**	80.6	80.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7782-49-2	Selenium	ND	6.45	6.45	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.806	0.806	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-23-5	**Sodium**	**343**	80.6	80.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.42	4.84	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**32.8**	8.06	8.06	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
7440-66-6	**Zinc**	**65.7**	9.68	9.68	mg/kg dry	1	10/26/15 09:32	10/26/15 14:09/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.121	0.121	mg/kg dry	1	10/26/15 08:59	10/26/15 14:06/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.61	1.61	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**62.0**	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	

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1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	17.3	28.8	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	5.77	28.8	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
67-64-1	**Acetone**	**14.4**	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**24.2**	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
71-43-2	Benzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-88-3	Toluene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-90-7	**Chlorobenzene**	**47.4**	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	5.77	11.5	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.77	11.5	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
100-42-5	Styrene	ND	2.88	11.5	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.88	5.77	ug/kg dry	1	10/26/15 16:22	10/26/15 16:22/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*123 %*	*70-130*		*10/26/15 16:22*	*10/26/15 16:22/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*99 %*	*70-130*		*10/26/15 16:22*	*10/26/15 16:22/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*74 %*	*70-130*		*10/26/15 16:22*	*10/26/15 16:22/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
108-95-2	Phenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
621-64-7	N-Nitroso-di-n-propylamine	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
78-59-1	Isophorone	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	105	420	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	42.0	420	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U

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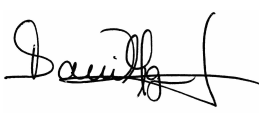

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
84-66-2	Diethyl phthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
86-73-7	Fluorene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**42.1**	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	J
120-12-7	Anthracene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
129-00-0	**Pyrene**	**60.6**	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	105	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
117-81-7	**bis(2-ethylhexyl)phthalate**	**53.9**	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	J
218-01-9	Chrysene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	42.0	211	ug/kg dry	1	10/26/15 06:03	10/27/15 15:14/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*70 %*	*30-130*		*10/26/15 06:03*	*10/27/15 15:14/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*76 %*	*30-130*		*10/26/15 06:03*	*10/27/15 15:14/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Nitrobenzene-d5			*64 %*	*30-130*		*10/26/15 06:03*	*10/27/15 15:14/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl			*65 %*	*30-130*		*10/26/15 06:03*	*10/27/15 15:14/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol			*84 %*	*30-130*		*10/26/15 06:03*	*10/27/15 15:14/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14			*96 %*	*30-130*		*10/26/15 06:03*	*10/27/15 15:14/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	8.41	8.41	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.68	1.68	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.833	0.833	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	42.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U

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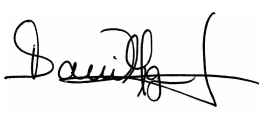

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11104-28-2	Aroclor-1221	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	21.0	42.0	ug/kg dry	1	10/23/15 06:21	10/23/15 16:37/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*72.9 %*	*30-150*		*10/23/15 06:21*	*10/23/15 16:37/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*80.9 %*	*30-150*		*10/23/15 06:21*	*10/23/15 16:37/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*77.1 %*	*30-150*		*10/23/15 06:21*	*10/23/15 16:37/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*82.7 %*	*30-150*		*10/23/15 06:21*	*10/23/15 16:37/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8550**	25.3	25.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.05	5.05	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-38-2	Arsenic	ND	1.26	1.26	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-39-3	**Barium**	**40.7**	25.3	25.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.631	0.631	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.631	0.631	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-70-2	**Calcium**	**1660**	31.6	31.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-47-3	**Chromium**	**12.4**	2.53	2.53	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-48-4	**Cobalt**	**7.57**	6.31	6.31	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-50-8	**Copper**	**16.8**	3.79	3.79	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7439-89-6	**Iron**	**11500**	31.6	31.6	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7439-92-1	**Lead**	**8.40**	1.26	1.26	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7439-95-4	**Magnesium**	**4080**	63.1	63.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	

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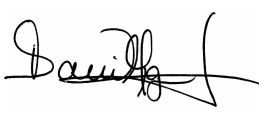

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/03/2015 15:48

Client ID: EP-3

Lab ID: 1501878-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-96-5	**Manganese**	**96.3**	2.53	2.53	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-02-0	**Nickel**	**14.6**	5.05	5.05	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-09-7	**Potassium**	**1120**	63.1	63.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.05	5.05	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.631	0.631	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-23-5	**Sodium**	**173**	63.1	63.1	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.89	3.79	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**12.8**	6.31	6.31	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
7440-66-6	**Zinc**	**46.2**	7.58	7.58	mg/kg dry	1	10/26/15 09:32	10/26/15 14:14/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.0947	0.0947	mg/kg dry	1	10/26/15 08:59	10/26/15 14:08/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.26	1.26	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**79.2**	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	

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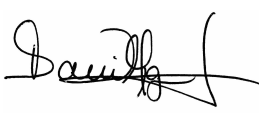

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	17.9	29.8	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	5.96	29.8	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
67-64-1	**Acetone**	**10.2**	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**25.6**	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
71-43-2	Benzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-88-3	Toluene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	5.96	11.9	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.96	11.9	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
100-42-5	Styrene	ND	2.98	11.9	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U

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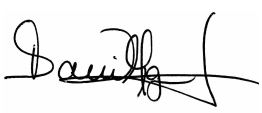

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.98	5.96	ug/kg dry	1	10/26/15 16:51	10/26/15 16:51/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*119 %*	*70-130*		*10/26/15 16:51*	*10/26/15 16:51/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*99 %*	*70-130*		*10/26/15 16:51*	*10/26/15 16:51/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*76 %*	*70-130*		*10/26/15 16:51*	*10/26/15 16:51/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
108-95-2	Phenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
78-59-1	Isophorone	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	112	449	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	44.9	449	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
86-73-7	Fluorene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
120-12-7	Anthracene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
129-00-0	Pyrene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	112	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
218-01-9	Chrysene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	44.9	225	ug/kg dry	1	10/26/15 06:03	10/28/15 16:14/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*80 %*	*30-130*		*10/26/15 06:03*	*10/28/15 16:14/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*86 %*	*30-130*		*10/26/15 06:03*	*10/28/15 16:14/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*72 %*	*30-130*		*10/26/15 06:03*	*10/28/15 16:14/JMM*	*EPA 8270*	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl	*74 %*	*30-130*		*10/26/15 06:03*	*10/28/15 16:14/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*99 %*	*30-130*		*10/26/15 06:03*	*10/28/15 16:14/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*123 %*	*30-130*		*10/26/15 06:03*	*10/28/15 16:14/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	8.98	8.98	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.79	1.79	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.889	0.889	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	44.9	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U

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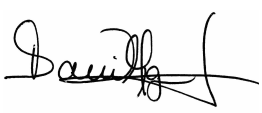

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CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	22.4	44.9	ug/kg dry	1	10/23/15 06:21	10/23/15 17:08/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*74.9 %*	*30-150*		*10/23/15 06:21*	*10/23/15 17:08/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*84.8 %*	*30-150*		*10/23/15 06:21*	*10/23/15 17:08/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*82.7 %*	*30-150*		*10/23/15 06:21*	*10/23/15 17:08/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*84.2 %*	*30-150*		*10/23/15 06:21*	*10/23/15 17:08/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**7630**	27.0	27.0	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.39	5.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.25**	1.35	1.35	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-39-3	Barium	ND	27.0	27.0	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-41-7	Beryllium	ND	0.674	0.674	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.674	0.674	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-70-2	**Calcium**	**2000**	33.7	33.7	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-47-3	**Chromium**	**11.8**	2.70	2.70	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-48-4	**Cobalt**	**7.33**	6.74	6.74	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-50-8	**Copper**	**19.8**	4.04	4.04	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7439-89-6	**Iron**	**11500**	33.7	33.7	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7439-92-1	**Lead**	**8.19**	1.35	1.35	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7439-95-4	**Magnesium**	**3910**	67.4	67.4	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7439-96-5	**Manganese**	**101**	2.70	2.70	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-4

Lab ID: 1501878-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**15.6**	5.39	5.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-09-7	**Potassium**	**975**	67.4	67.4	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.39	5.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.674	0.674	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-23-5	**Sodium**	**203**	67.4	67.4	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.02	4.04	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**12.8**	6.74	6.74	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
7440-66-6	**Zinc**	**53.4**	8.09	8.09	mg/kg dry	1	10/26/15 09:32	10/26/15 14:29/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.101	0.101	mg/kg dry	1	10/26/15 08:59	10/26/15 14:11/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.35	1.35	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**74.2**	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	115	192	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	38.5	192	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
67-64-1	**Acetone**	**3460**	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**127**	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
78-93-3	2-Butanone	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
71-43-2	Benzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-88-3	Toluene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	38.5	76.9	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	38.5	76.9	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
100-42-5	Styrene	ND	19.2	76.9	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	19.2	38.5	ug/kg dry	1	10/26/15 17:22	10/26/15 17:22/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*119 %*	*70-130*		*10/26/15 17:22*	*10/26/15 17:22/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*90 %*	*70-130*		*10/26/15 17:22*	*10/26/15 17:22/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*74 %*	*70-130*		*10/26/15 17:22*	*10/26/15 17:22/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
108-95-2	Phenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
78-59-1	Isophorone	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	364	1460	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	146	1460	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
86-73-7	Fluorene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
120-12-7	Anthracene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
129-00-0	Pyrene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	364	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
218-01-9	Chrysene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	146	732	ug/kg dry	1	10/26/15 06:03	10/27/15 16:00/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*63 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:00/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*71 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:00/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*58 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:00/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl	*61 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:00/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*81 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:00/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*102 %*	*30-130*		*10/26/15 06:03*	*10/27/15 16:00/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	29.2	29.2	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	5.83	5.83	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	2.89	2.89	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	146	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	72.8	146	ug/kg dry	1	10/23/15 06:21	10/23/15 17:39/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*72.6 %*	*30-150*		*10/23/15 06:21*	*10/23/15 17:39/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*78.2 %*	*30-150*		*10/23/15 06:21*	*10/23/15 17:39/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*83.1 %*	*30-150*		*10/23/15 06:21*	*10/23/15 17:39/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*84.4 %*	*30-150*		*10/23/15 06:21*	*10/23/15 17:39/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**4070**	87.7	87.7	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-36-0	Antimony	ND	17.5	17.5	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-38-2	Arsenic	ND	4.39	4.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-39-3	**Barium**	**94.3**	87.7	87.7	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-41-7	Beryllium	ND	2.19	2.19	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	2.19	2.19	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-70-2	**Calcium**	**28800**	110	110	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-47-3	**Chromium**	**11.9**	8.77	8.77	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-48-4	Cobalt	ND	21.9	21.9	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-50-8	**Copper**	**31.5**	13.2	13.2	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7439-89-6	**Iron**	**7500**	110	110	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7439-92-1	**Lead**	**19.7**	4.39	4.39	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7439-95-4	**Magnesium**	**10300**	219	219	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7439-96-5	**Manganese**	**421**	8.77	8.77	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/03/2015 15:48

Client ID: EP-5

Lab ID: 1501878-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	Nickel	ND	17.5	17.5	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-09-7	**Potassium**	**966**	219	219	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7782-49-2	Selenium	ND	17.5	17.5	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-22-4	Silver	ND	2.19	2.19	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-23-5	**Sodium**	**720**	219	219	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	
7440-28-0	Thallium	ND	6.58	13.2	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-62-2	Vanadium	ND	21.9	21.9	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
7440-66-6	Zinc	ND	26.3	26.3	mg/kg dry	1	10/26/15 09:32	10/26/15 14:34/LIT	EPA 6010	U
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.329	0.329	mg/kg dry	1	10/26/15 08:59	10/26/15 14:13/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	4.39	4.39	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**22.8**	0.100	0.100	%	1	10/22/15 09:30	10/23/15 09:45/CLD	SM 2540 G	

Accredited Analytical Resources LLC

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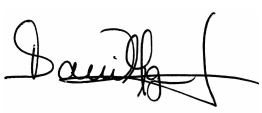


Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	138th St. Bronx, NY, 10BR188
CONTACT:	Doug Harm
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm
EMAIL FOR INVOICE:	d.harm@brink.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #
AAR WORK ORDER # 1501878
P.O. #

COLLECTION INFORMATION

ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH (FT)	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL full	TCL full	AAR SAMPLE #
EP-1	10/19/15 10:15 + 11:30	S	MS-15	4	G	✓	✓	-01
EP-2	10/19/15 10:20 + 11:35	S	MS-15	4	G	✓	✓	-02
EP-3	10/19/15 10:27 + 11:40	S	MS-15	4	G	✓	✓	-03
EP-4	10/19/15 10:35 + 11:45	S	MS-15	4	G	✓	✓	-04
EP-5	10/19/15 10:40 - 11:50	S	MS-15	4	G	✓	✓	-05

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____
CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) (STANDARD) 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable
COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: John Iannuo	Print Name: John Iannuo	Print Name: K. Muniz
Signature: Monica Norton	Signature: John Iannuo	Signature: John Iannuo	Signature: K. Muniz
Agent of:	Agent of: AAR	Agent of: AAR	Agent of: AAR
Date Received: 10/20/15 Time: 10:10		Date Received: 10/20/15 Time: 15:15	

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / / Time:		Date Received: / / Time:	

Bernie O'Gara

From: "Monica Norton" <mnorton@brinkenv.com>
To: "'Bernie O'Gara'" <bernie@accreditedanalytical.com>
Cc: "'Sean Harrison'" <sharrison@brinkenv.com>
Sent: Wednesday, October 21, 2015 3:55 PM
Subject: Chain of Custody Revision - 255 E. 138th Street - 10BR188

Bernie,

For the COC that was submitted yesterday, October 20th, 2015 for the project located at 255 East 138th Street, Bronx, NY (Name: 10BR188), please change the sample time for each EP sample to be the second time (i.e. EP-1 sampled at 11:30, EP-2 sampled at 11:35, EP-3 sampled at 11:40, etc…).

Please let me know if you have any other questions.

Thanks!

Monica

Monica Norton
mnorton@brinkenv.com
BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, NJ 08736
Phone: 732-223-2225
Fax: 732-223-3666
Web: www.BrinkEnv.com

Accredited Analytical Resources, LLC.

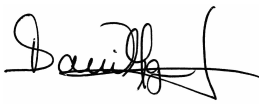
05 November 2015 AAR Work Order: 1501909

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/23/2015 14:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

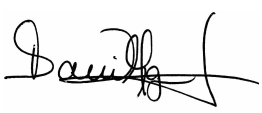
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-6	1501909-01	Soil	10/22/2015 13:57	10/23/2015 14:30
EP-7	1501909-02	Soil	10/22/2015 14:08	10/23/2015 14:30
EP-8	1501909-03	Soil	10/23/2015 08:15	10/23/2015 14:30

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
E	Concentration exceeds calibration range
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/05/2015 14:18

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

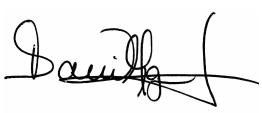
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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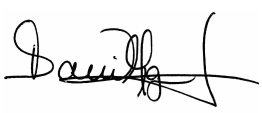
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/05/2015 14:18

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	16.7	27.9	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	5.57	27.9	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
67-64-1	**Acetone**	**108**	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**26.0**	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
78-93-3	**2-Butanone**	**22.5**	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
71-43-2	Benzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-88-3	Toluene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	5.57	11.1	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.57	11.1	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
100-42-5	Styrene	ND	2.79	11.1	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U

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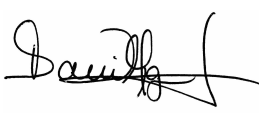

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.79	5.57	ug/kg dry	1	10/26/15 17:52	10/26/15 17:52/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*118 %*	*70-130*		*10/26/15 17:52*	*10/26/15 17:52/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*93 %*	*70-130*		*10/26/15 17:52*	*10/26/15 17:52/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*56 %*	*70-130*	*	*10/26/15 17:52*	*10/26/15 17:52/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
108-95-2	Phenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
78-59-1	Isophorone	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	173	694	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**159**	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	69.4	694	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
84-66-2	Diethyl phthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
86-73-7	Fluorene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**89.6**	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	J
120-12-7	Anthracene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
129-00-0	Pyrene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	173	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
218-01-9	Chrysene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	69.4	348	ug/kg dry	1	10/26/15 06:03	10/27/15 19:08/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*61 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:08/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*77 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:08/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Surrogate: Nitrobenzene-d5				*70 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:08/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*67 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:08/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*75 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:08/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*85 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:08/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	13.9	13.9	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.77	2.77	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.38	1.38	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	69.4	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
11104-28-2	Aroclor-1221	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	34.6	69.4	ug/kg dry	1	10/27/15 09:15	10/27/15 16:24/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*68.5 %*	*30-150*		*10/27/15 09:15*	*10/27/15 16:24/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*70.5 %*	*30-150*		*10/27/15 09:15*	*10/27/15 16:24/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*74.2 %*	*30-150*		*10/27/15 09:15*	*10/27/15 16:24/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*78.6 %*	*30-150*		*10/27/15 09:15*	*10/27/15 16:24/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8930**	41.7	41.7	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-36-0	Antimony	ND	8.33	8.33	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.34**	2.08	2.08	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-39-3	**Barium**	**96.6**	41.7	41.7	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-41-7	Beryllium	ND	1.04	1.04	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	1.04	1.04	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-70-2	**Calcium**	**8470**	52.1	52.1	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-47-3	**Chromium**	**17.0**	4.17	4.17	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-48-4	Cobalt	ND	10.4	10.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-50-8	**Copper**	**48.8**	6.25	6.25	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7439-89-6	**Iron**	**11200**	52.1	52.1	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7439-92-1	**Lead**	**12.5**	2.08	2.08	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7439-95-4	**Magnesium**	**6300**	104	104	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	

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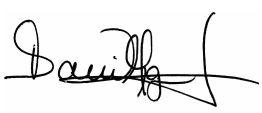

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-96-5	**Manganese**	**169**	4.17	4.17	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-02-0	**Nickel**	**15.9**	8.33	8.33	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-09-7	**Potassium**	**1140**	104	104	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7782-49-2	Selenium	ND	8.33	8.33	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-22-4	Silver	ND	1.04	1.04	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-23-5	**Sodium**	**1030**	104	104	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-28-0	Thallium	ND	3.12	6.25	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**21.5**	10.4	10.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
7440-66-6	**Zinc**	**59.6**	12.5	12.5	mg/kg dry	1	10/26/15 09:32	10/26/15 15:05/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.156	0.156	mg/kg dry	1	10/26/15 08:59	10/26/15 14:25/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	2.08	2.08	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**48.0**	0.100	0.100	%	1	10/26/15 09:10	10/26/15 15:17/HTW	SM 2540 G	

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	17.7	29.4	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	5.89	29.4	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
67-64-1	**Acetone**	**109**	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**22.4**	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	
156-60-5	trans-1,2-Dichloroethene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
78-93-3	**2-Butanone**	**21.6**	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
71-43-2	Benzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-88-3	Toluene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	5.89	11.8	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.89	11.8	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
100-42-5	Styrene	ND	2.94	11.8	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U

Accredited Analytical Resources LLC

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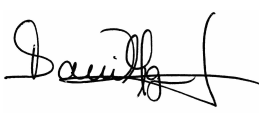

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-6

Lab ID: 1501909-01RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.94	5.89	ug/kg dry	1	10/27/15 20:53	10/27/15 20:53/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*110 %*	*70-130*		*10/27/15 20:53*	*10/27/15 20:53/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*96 %*	*70-130*		*10/27/15 20:53*	*10/27/15 20:53/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*51 %*	*70-130*	*	*10/27/15 20:53*	*10/27/15 20:53/SG*	*EPA 8260*	

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	7.79	13.0	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.60	13.0	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
67-64-1	**Acetone**	**97.8**	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-15-0	**Carbon disulfide**	**1.99**	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	J
75-09-2	**Methylene Chloride**	**6.88**	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
78-93-3	**2-Butanone**	**16.1**	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
71-43-2	Benzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-88-3	Toluene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.60	5.19	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.60	5.19	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
100-42-5	Styrene	ND	1.30	5.19	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.30	2.60	ug/kg dry	1	10/26/15 18:22	10/26/15 18:22/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*111 %*	*70-130*		*10/26/15 18:22*	*10/26/15 18:22/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*102 %*	*70-130*		*10/26/15 18:22*	*10/26/15 18:22/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*87 %*	*70-130*		*10/26/15 18:22*	*10/26/15 18:22/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
108-95-2	Phenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U

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Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
78-59-1	Isophorone	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	119	476	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**72.9**	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	47.6	476	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
84-66-2	Diethyl phthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
86-73-7	Fluorene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**153**	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
120-12-7	Anthracene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**153**	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
129-00-0	**Pyrene**	**145**	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	119	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**61.0**	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
218-01-9	**Chrysene**	**72.9**	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
50-32-8	**Benzo[a]pyrene**	**59.0**	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	47.6	239	ug/kg dry	1	10/26/15 06:03	10/27/15 20:35/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*59 %*	*30-130*		*10/26/15 06:03*	*10/27/15 20:35/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*76 %*	*30-130*		*10/26/15 06:03*	*10/27/15 20:35/JMM*	*EPA 8270*	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Nitrobenzene-d5				*70 %*	*30-130*		*10/26/15 06:03*	*10/27/15 20:35/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*66 %*	*30-130*		*10/26/15 06:03*	*10/27/15 20:35/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*64 %*	*30-130*		*10/26/15 06:03*	*10/27/15 20:35/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*87 %*	*30-130*		*10/26/15 06:03*	*10/27/15 20:35/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	9.51	9.51	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.90	1.90	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.943	0.943	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	47.6	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U

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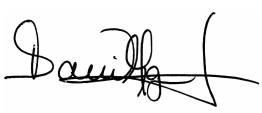

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				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11104-28-2	Aroclor-1221	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	23.7	47.6	ug/kg dry	1	10/27/15 09:15	10/27/15 16:55/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*87.2 %*	*30-150*		*10/27/15 09:15*	*10/27/15 16:55/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*90.1 %*	*30-150*		*10/27/15 09:15*	*10/27/15 16:55/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*89.0 %*	*30-150*		*10/27/15 09:15*	*10/27/15 16:55/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*86.1 %*	*30-150*		*10/27/15 09:15*	*10/27/15 16:55/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**6100**	28.6	28.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.71	5.71	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.01**	1.43	1.43	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-39-3	**Barium**	**40.0**	28.6	28.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.714	0.714	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.714	0.714	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-70-2	**Calcium**	**8140**	35.7	35.7	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-47-3	**Chromium**	**10.1**	2.86	2.86	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-48-4	Cobalt	ND	7.14	7.14	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-50-8	**Copper**	**13.6**	4.29	4.29	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7439-89-6	**Iron**	**9210**	35.7	35.7	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7439-92-1	**Lead**	**11.8**	1.43	1.43	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7439-95-4	**Magnesium**	**4200**	71.4	71.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	

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Daniel Miguel, Technical Director

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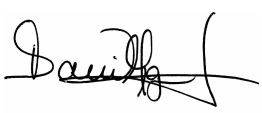
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/05/2015 14:18

Client ID: EP-7

Lab ID: 1501909-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-96-5	**Manganese**	**111**	2.86	2.86	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-02-0	**Nickel**	**12.9**	5.71	5.71	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-09-7	**Potassium**	**856**	71.4	71.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.71	5.71	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.714	0.714	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-23-5	**Sodium**	**401**	71.4	71.4	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.14	4.29	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**12.3**	7.14	7.14	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
7440-66-6	**Zinc**	**45.7**	8.57	8.57	mg/kg dry	1	10/26/15 09:32	10/26/15 15:10/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.107	0.107	mg/kg dry	1	10/26/15 08:59	10/26/15 14:28/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.43	1.43	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**70.0**	0.100	0.100	%	1	10/26/15 09:10	10/26/15 15:17/HTW	SM 2540 G	

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	25.5	42.6	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	8.51	42.6	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
67-64-1	**Acetone**	**102**	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
74-87-3	Chloromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
74-83-9	Bromomethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-00-3	Chloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**20.6**	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	
156-60-5	trans-1,2-Dichloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
78-93-3	2-Butanone	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
67-66-3	Chloroform	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
71-43-2	Benzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-88-3	Toluene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
100-41-4	**Ethylbenzene**	**7.57**	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	J
108-90-7	Chlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	8.51	17.0	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
95-47-6	o-Xylene	ND	8.51	17.0	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
100-42-5	Styrene	ND	4.26	17.0	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
75-25-2	Bromoform	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
95-63-6	1,2,4-Trimethylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.26	8.51	ug/kg dry	1	10/27/15 21:23	10/27/15 21:23/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*122 %*	*70-130*		*10/27/15 21:23*	*10/27/15 21:23/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*99 %*	*70-130*		*10/27/15 21:23*	*10/27/15 21:23/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*78 %*	*70-130*		*10/27/15 21:23*	*10/27/15 21:23/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
108-95-2	Phenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
621-64-7	N-Nitroso-di-n-propylamine	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
78-59-1	Isophorone	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	177	709	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**76.6**	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	70.9	709	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
121-14-2	2,4-Dinitrotoluene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
86-73-7	Fluorene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**187**	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
120-12-7	Anthracene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**190**	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
129-00-0	**Pyrene**	**199**	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	177	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**75.9**	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
218-01-9	**Chrysene**	**92.9**	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	70.9	355	ug/kg dry	1	10/26/15 06:03	10/27/15 19:52/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*61 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:52/JMM*	*EPA 8270*	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Surrogate: Phenol-d5				*77 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:52/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*70 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:52/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*67 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:52/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*82 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:52/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*92 %*	*30-130*		*10/26/15 06:03*	*10/27/15 19:52/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	14.2	14.2	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.83	2.83	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.40	1.40	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	70.9	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U

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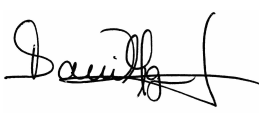

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
12674-11-2	Aroclor-1016	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	35.3	70.9	ug/kg dry	1	10/27/15 09:15	10/27/15 17:26/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*76.5 %*	*30-150*		*10/27/15 09:15*	*10/27/15 17:26/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*85.3 %*	*30-150*		*10/27/15 09:15*	*10/27/15 17:26/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*87.6 %*	*30-150*		*10/27/15 09:15*	*10/27/15 17:26/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*85.9 %*	*30-150*		*10/27/15 09:15*	*10/27/15 17:26/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**11800**	42.6	42.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-36-0	Antimony	ND	8.51	8.51	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**3.29**	2.13	2.13	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-39-3	**Barium**	**68.6**	42.6	42.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-41-7	Beryllium	ND	1.06	1.06	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	1.06	1.06	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-70-2	**Calcium**	**9090**	53.2	53.2	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-47-3	**Chromium**	**19.4**	4.26	4.26	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-48-4	**Cobalt**	**10.6**	10.6	10.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-50-8	**Copper**	**25.5**	6.38	6.38	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7439-89-6	**Iron**	**17700**	53.2	53.2	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7439-92-1	**Lead**	**25.5**	2.13	2.13	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	

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1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/05/2015 14:18

Client ID: EP-8

Lab ID: 1501909-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-95-4	**Magnesium**	**8200**	106	106	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7439-96-5	**Manganese**	**247**	4.26	4.26	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-02-0	**Nickel**	**20.7**	8.51	8.51	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-09-7	**Potassium**	**1630**	106	106	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7782-49-2	Selenium	ND	8.51	8.51	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-22-4	Silver	ND	1.06	1.06	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-23-5	**Sodium**	**717**	106	106	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-28-0	Thallium	ND	3.19	6.38	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**23.9**	10.6	10.6	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
7440-66-6	**Zinc**	**89.0**	12.8	12.8	mg/kg dry	1	10/26/15 09:32	10/26/15 15:15/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.160	0.160	mg/kg dry	1	10/26/15 08:59	10/26/15 14:30/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	2.13	2.13	mg/kg dry	1	10/28/15 08:43	10/28/15 13:49/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**47.0**	0.100	0.100	%	1	10/26/15 09:10	10/26/15 15:17/HTW	SM 2540 G	

Accredited Analytical Resources LLC

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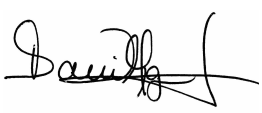


Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	138th St., Bronx, NY; 10BR188
CONTACT:	Doug Harm
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm
EMAIL FOR INVOICE:	dharm@brink.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #
AAR WORK ORDER # 1501909
P.O. #

COLLECTION INFORMATION / ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL full	TCL full	AAR SAMPLE #
EP-6	10/22/15 13:57	S		4	G	✓	✓	-01
EP-7	10/22/15 14:08	S		4	G	✓	✓	-02
EP-8	10/23/15 08:15	S		4	G	✓	✓	-03

PRES. CODE →
CONT. CODE →

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____
CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) (STANDARD) 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable
COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: J. McCue	Print Name: J. McCue	Print Name: K. Muniz
Signature: Monica Norton	Signature:	Signature:	Signature: K. Muniz
Agent of:	Agent of:	Agent of:	Agent of: AAR
Date Received: 10/23/15	Time: 10:45	Date Received: 10/23/15	Time: 1430

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

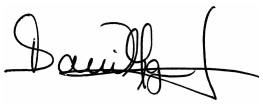
09 November 2015 AAR Work Order: 1501914

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/26/2015 12:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/09/2015 08:52

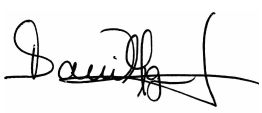
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-9	1501914-01	Soil	10/23/2015 11:00	10/26/2015 12:20

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
D	Data reported from a dilution
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/09/2015 08:52

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

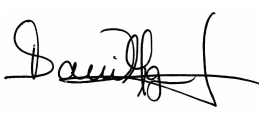
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

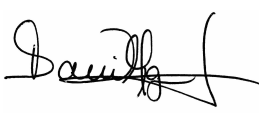
Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/09/2015 08:52

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/09/2015 08:52

Client ID: EP-9

Lab ID: 1501914-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	9.76	16.3	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	3.25	16.3	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
67-64-1	**Acetone**	**5.58**	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**13.4**	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
71-43-2	Benzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/09/2015 08:52

Client ID: EP-9

Lab ID: 1501914-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
108-88-3	Toluene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	3.25	6.51	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
95-47-6	o-Xylene	ND	3.25	6.51	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
100-42-5	Styrene	ND	1.63	6.51	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/09/2015 08:52

Client ID: EP-9

Lab ID: 1501914-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.63	3.25	ug/kg dry	1	10/26/15 19:22	10/26/15 19:22/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*123 %*	*70-130*		*10/26/15 19:22*	*10/26/15 19:22/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*98 %*	*70-130*		*10/26/15 19:22*	*10/26/15 19:22/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*77 %*	*70-130*		*10/26/15 19:22*	*10/26/15 19:22/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
108-95-2	Phenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U

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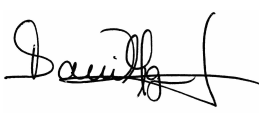

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/09/2015 08:52

Client ID: EP-9

Lab ID: 1501914-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
78-59-1	Isophorone	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	121	485	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	48.5	485	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/09/2015 08:52

Client ID: EP-9

Lab ID: 1501914-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
86-73-7	Fluorene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**72.4**	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	J
120-12-7	Anthracene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**86.0**	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	J
129-00-0	**Pyrene**	**85.5**	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	121	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
218-01-9	Chrysene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	48.5	243	ug/kg dry	1	10/27/15 10:13	10/27/15 18:25/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*60 %*	*30-130*		*10/27/15 10:13*	*10/27/15 18:25/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*74 %*	*30-130*		*10/27/15 10:13*	*10/27/15 18:25/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*70 %*	*30-130*		*10/27/15 10:13*	*10/27/15 18:25/JMM*	*EPA 8270*	

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1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/09/2015 08:52

Client ID: EP-9

Lab ID: 1501914-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Surrogate: 2-Fluorobiphenyl				*68 %*	*30-130*		*10/27/15 10:13*	*10/27/15 18:25/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*74 %*	*30-130*		*10/27/15 10:13*	*10/27/15 18:25/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*84 %*	*30-130*		*10/27/15 10:13*	*10/27/15 18:25/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
319-84-6	alpha-BHC	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	9.71	9.71	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.94	1.94	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.962	0.962	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	48.5	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U

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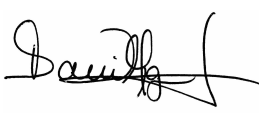

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Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

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11/09/2015 08:52

Client ID: EP-9

Lab ID: 1501914-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	24.2	48.5	ug/kg dry	1	10/27/15 09:15	10/27/15 23:05/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*77.7 %*	*30-150*		*10/27/15 09:15*	*10/27/15 23:05/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*84.9 %*	*30-150*		*10/27/15 09:15*	*10/27/15 23:05/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*89.5 %*	*30-150*		*10/27/15 09:15*	*10/27/15 23:05/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*105 %*	*30-150*		*10/27/15 09:15*	*10/27/15 23:05/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**9500**	29.2	29.2	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.83	5.83	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.35**	1.46	1.46	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-39-3	**Barium**	**57.9**	29.2	29.2	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.729	0.729	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.729	0.729	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	U
7440-70-2	**Calcium**	**8950**	36.4	36.4	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-47-3	**Chromium**	**16.2**	2.92	2.92	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-48-4	**Cobalt**	**7.86**	7.29	7.29	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-50-8	**Copper**	**17.3**	4.37	4.37	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7439-89-6	**Iron**	**15100**	36.4	36.4	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7439-92-1	**Lead**	**23.1**	1.46	1.46	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7439-95-4	**Magnesium**	**7920**	72.9	72.9	mg/kg dry	1	10/27/15 11:02	10/28/15 12:38/LIT	EPA 6010	
7439-96-5	**Manganese**	**278**	2.92	2.92	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/09/2015 08:52

Client ID: EP-9

Lab ID: 1501914-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**14.7**	5.83	5.83	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-09-7	**Potassium**	**1210**	72.9	72.9	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.83	5.83	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.729	0.729	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	U
7440-23-5	**Sodium**	**237**	72.9	72.9	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.19	4.37	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**21.2**	7.29	7.29	mg/kg dry	1	10/27/15 11:02	10/27/15 15:29/LIT	EPA 6010	
7440-66-6	**Zinc**	**52.4**	8.75	8.75	mg/kg dry	1	10/27/15 11:02	10/28/15 12:38/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.170**	0.109	0.109	mg/kg dry	1	10/27/15 09:49	10/27/15 12:39/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.46	1.46	mg/kg dry	1	11/03/15 10:10	11/03/15 15:07/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**68.6**	0.100	0.100	%	1	10/27/15 14:00	10/28/15 09:00/CLD	SM 2540 G	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	138th St., Bronx, NY, 10BR188
CONTACT:	Doug Harm
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm
EMAIL FOR INVOICE:	dharm@brinc.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	1501914
AAR WORK ORDER #	
P.O. #	

ANALYSIS

PRES. CODE →
CONT. CODE →

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL full	TCL full	AAR SAMPLE #
EP-9	10/23/15 AM 11:00	S		4	G	✓	✓	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER ____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC ~~E = ENCORE~~ PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER ____

TURNAROUND TIME: (CIRCLE ONE) (STANDARD) 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER ____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED X FULL ____ EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: J. McGuire	Print Name: J. McGuire	Print Name: K. Nwniz
Signature: Monica Norton	Signature: [signature]	Signature: [signature]	Signature: K. Nwniz
Agent of:	Agent of: AAR	Agent of: AAR	Agent of: AAR
Date Received: 10/26/15	Time: 9:50	Date Received: 10/26/15	Time: 1220

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

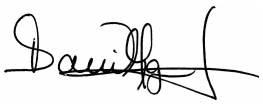
10 November 2015 AAR Work Order: 1501923

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/27/2015 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/10/2015 08:23

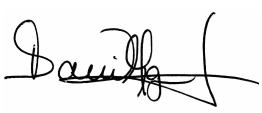
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-10	1501923-01	Soil	10/26/2015 12:05	10/27/2015 14:15

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
D	Data reported from a dilution
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/10/2015 08:23

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

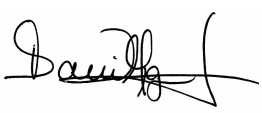
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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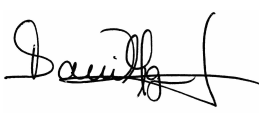
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/10/2015 08:23

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	9.17	15.3	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	3.06	15.3	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
67-64-1	**Acetone**	**18.3**	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**2.92**	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	J
156-60-5	trans-1,2-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
71-43-2	Benzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-88-3	Toluene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	3.06	6.11	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
95-47-6	o-Xylene	ND	3.06	6.11	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
100-42-5	Styrene	ND	1.53	6.11	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.53	3.06	ug/kg dry	1	11/03/15 15:36	11/03/15 15:36/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*106 %*	*70-130*		*11/03/15 15:36*	*11/03/15 15:36/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*94 %*	*70-130*		*11/03/15 15:36*	*11/03/15 15:36/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*86 %*	*70-130*		*11/03/15 15:36*	*11/03/15 15:36/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
108-95-2	Phenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
78-59-1	Isophorone	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	123	495	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	49.5	495	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
86-73-7	Fluorene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**133**	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	J
120-12-7	Anthracene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**99.1**	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	J
129-00-0	**Pyrene**	**139**	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	123	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
218-01-9	**Chrysene**	**50.0**	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	49.5	248	ug/kg dry	1	10/30/15 06:08	10/30/15 19:53/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*47 %*	*30-130*		*10/30/15 06:08*	*10/30/15 19:53/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*52 %*	*30-130*		*10/30/15 06:08*	*10/30/15 19:53/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*41 %*	*30-130*		*10/30/15 06:08*	*10/30/15 19:53/JMM*	*EPA 8270*	

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1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl	*45 %*	*30-130*		*10/30/15 06:08*	*10/30/15 19:53/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*54 %*	*30-130*		*10/30/15 06:08*	*10/30/15 19:53/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*60 %*	*30-130*		*10/30/15 06:08*	*10/30/15 19:53/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	9.90	9.90	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.98	1.98	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.981	0.981	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	49.5	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U

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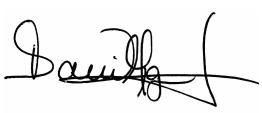

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Project: 138th Street, Bronx, NY; 10BR188
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Reported:
11/10/2015 08:23

Client ID: EP-10

Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	24.7	49.5	ug/kg dry	1	11/02/15 05:57	11/02/15 20:02/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*74.7 %*	*30-150*		*11/02/15 05:57*	*11/02/15 20:02/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*82.1 %*	*30-150*		*11/02/15 05:57*	*11/02/15 20:02/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*87.2 %*	*30-150*		*11/02/15 05:57*	*11/02/15 20:02/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*94.8 %*	*30-150*		*11/02/15 05:57*	*11/02/15 20:02/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8980**	29.7	29.7	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.94	5.94	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.67**	1.49	1.49	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-39-3	**Barium**	**51.8**	29.7	29.7	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.743	0.743	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.743	0.743	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-70-2	**Calcium**	**7450**	37.1	37.1	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-47-3	**Chromium**	**14.7**	2.97	2.97	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-48-4	**Cobalt**	**7.93**	7.43	7.43	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-50-8	**Copper**	**21.9**	4.46	4.46	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7439-89-6	**Iron**	**13900**	37.1	37.1	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7439-92-1	**Lead**	**22.0**	1.49	1.49	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7439-95-4	**Magnesium**	**7100**	74.3	74.3	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7439-96-5	**Manganese**	**350**	2.97	2.97	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/10/2015 08:23

Client ID: EP-10
Lab ID: 1501923-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**15.5**	5.94	5.94	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-09-7	**Potassium**	**1150**	74.3	74.3	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.94	5.94	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.743	0.743	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-23-5	**Sodium**	**289**	74.3	74.3	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.23	4.46	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**19.2**	7.43	7.43	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
7440-66-6	**Zinc**	**51.0**	8.92	8.92	mg/kg dry	1	10/30/15 08:41	10/30/15 14:02/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.111	0.111	mg/kg dry	1	10/30/15 08:00	10/30/15 14:10/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.49	1.49	mg/kg dry	1	11/03/15 10:10	11/03/15 15:07/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**67.3**	0.100	0.100	%	1	10/30/15 15:15	11/02/15 10:42/CLD	SM 2540 G	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

CHAIN OF CUSTODY FORM

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	135th Street, Bronx, NY; 10BR188
CONTACT:	Doug Harm
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm
EMAIL FOR INVOICE:	dharm@brink.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1501923
P.O. #	

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL Aug	TCL Aug	AAR SAMPLE #
EP-10	10/26/15/12:05	S		4	G	✓	✓	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER ____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER ____

TURNAROUND TIME: (CIRCLE ONE) (STANDARD) 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER ____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: John Ingrao	Print Name: John Ingrao	Print Name: K. Muniz
Signature: Monica Norton	Signature:	Signature:	Signature:
Agent of:	Agent of: AAR	Agent of: AAR	Agent of: AAR
Date Received: 10/27/15	Time: 1316	Date Received: 10/27/15	Time: 1415

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

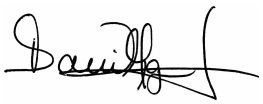
12 November 2015 AAR Work Order: 1501955

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 10/29/2015 15:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/12/2015 09:12

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-11	1501955-01	Soil	10/28/2015 11:20	10/29/2015 15:40

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
D	Data reported from a dilution
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

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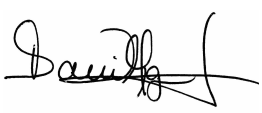


Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/12/2015 09:12

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

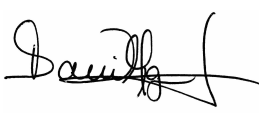
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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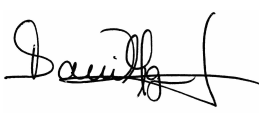
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/12/2015 09:12

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	12.0	20.0	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	4.00	20.0	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
67-64-1	**Acetone**	**15.5**	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**36.5**	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
71-43-2	Benzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U

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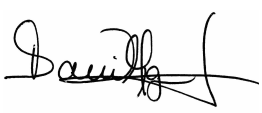

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

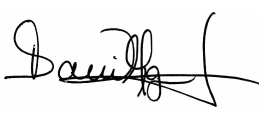
Lab ID: 1501955-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-88-3	Toluene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	4.00	8.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
95-47-6	o-Xylene	ND	4.00	8.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
100-42-5	Styrene	ND	2.00	8.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.00	4.00	ug/kg dry	1	11/05/15 15:04	11/05/15 15:04/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*113 %*	*70-130*		*11/05/15 15:04*	*11/05/15 15:04/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*92 %*	*70-130*		*11/05/15 15:04*	*11/05/15 15:04/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*75 %*	*70-130*		*11/05/15 15:04*	*11/05/15 15:04/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
108-95-2	Phenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
78-59-1	Isophorone	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	166	666	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**199**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
91-57-6	**2-Methylnaphthylene**	**72.7**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
77-47-4	Hexachlorocyclopentadiene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**141**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	66.6	666	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
132-64-9	**Dibenzofuran**	**86.7**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
606-20-2	2,6-Dinitrotoluene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U

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1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
84-66-2	Diethyl phthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
86-73-7	**Fluorene**	**109**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**297**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
120-12-7	**Anthracene**	**72.0**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**167**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
129-00-0	**Pyrene**	**177**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	166	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**85.3**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
218-01-9	**Chrysene**	**103**	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	66.6	334	ug/kg dry	1	10/30/15 06:08	10/30/15 20:39/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*41 %*	*30-130*		*10/30/15 06:08*	*10/30/15 20:39/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*42 %*	*30-130*		*10/30/15 06:08*	*10/30/15 20:39/JMM*	*EPA 8270*	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Nitrobenzene-d5				*36 %*	*30-130*		*10/30/15 06:08*	*10/30/15 20:39/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*38 %*	*30-130*		*10/30/15 06:08*	*10/30/15 20:39/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*46 %*	*30-130*		*10/30/15 06:08*	*10/30/15 20:39/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*42 %*	*30-130*		*10/30/15 06:08*	*10/30/15 20:39/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	13.3	13.3	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.66	2.66	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.32	1.32	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	66.6	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U

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CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11104-28-2	Aroclor-1221	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	33.2	66.6	ug/kg dry	1	11/04/15 09:45	11/04/15 18:51/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*83.6 %*	*30-150*		*11/04/15 09:45*	*11/04/15 18:51/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*80.3 %*	*30-150*		*11/04/15 09:45*	*11/04/15 18:51/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*86.1 %*	*30-150*		*11/04/15 09:45*	*11/04/15 18:51/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*88.6 %*	*30-150*		*11/04/15 09:45*	*11/04/15 18:51/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8180**	40.0	40.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-36-0	Antimony	ND	8.00	8.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-38-2	Arsenic	ND	2.00	2.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-39-3	**Barium**	**57.1**	40.0	40.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-41-7	Beryllium	ND	1.00	1.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	1.00	1.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-70-2	**Calcium**	**8690**	50.0	50.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-47-3	**Chromium**	**13.4**	4.00	4.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-48-4	Cobalt	ND	10.0	10.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-50-8	**Copper**	**21.0**	6.00	6.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7439-89-6	**Iron**	**13000**	50.0	50.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7439-92-1	**Lead**	**90.0**	2.00	2.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7439-95-4	**Magnesium**	**6420**	100	100	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/12/2015 09:12

Client ID: EP-11

Lab ID: 1501955-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-96-5	**Manganese**	**158**	4.00	4.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-02-0	**Nickel**	**14.2**	8.00	8.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-09-7	**Potassium**	**1100**	100	100	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7782-49-2	Selenium	ND	8.00	8.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-22-4	Silver	ND	1.00	1.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-23-5	**Sodium**	**557**	100	100	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-28-0	Thallium	ND	3.00	6.00	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**18.7**	10.0	10.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
7440-66-6	**Zinc**	**48.5**	12.0	12.0	mg/kg dry	1	10/30/15 08:41	10/30/15 14:07/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.150	0.150	mg/kg dry	1	10/30/15 08:00	10/30/15 14:13/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	2.00	2.00	mg/kg dry	1	11/03/15 10:10	11/03/15 15:07/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**50.0**	0.100	0.100	%	1	10/30/15 15:15	11/02/15 10:42/CLD	SM 2540 G	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	138th Street, Bronx, NY; 10BR168
CONTACT:	Doug Harm
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm
EMAIL FOR INVOICE:	dharm@brink.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1501955
P.O. #	

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL full	TCL full	AAR SAMPLE #
EP-11	10/28/15 11:20	S		4	G	✓	✓	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) (STANDARD) 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable. COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: John Inacio	Print Name: John Inacio	Print Name: K. Muniz
Signature: Monica Norton	Signature:	Signature:	Signature: K. Muniz
Agent of:	Agent of: AAR	Agent of: AAR	Agent of: AAR
Date Received: 10/29/15	Time: 1245	Date Received: 10/29/15	Time: 1540
RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

16 November 2015 AAR Work Order: 1501974

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 11/02/2015 15:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

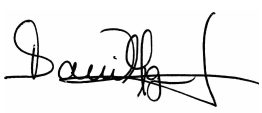
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-12	1501974-01	Soil	10/30/2015 11:00	11/02/2015 15:50

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/16/2015 13:27

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

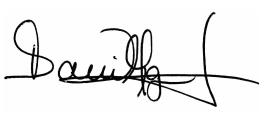
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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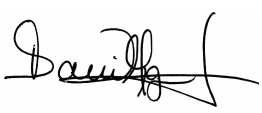
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/16/2015 13:27

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	9.46	15.8	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	3.15	15.8	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
67-64-1	**Acetone**	**30.0**	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**25.8**	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
71-43-2	Benzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-88-3	**Toluene**	**2.79**	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
100-41-4	**Ethylbenzene**	**4.67**	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	
108-90-7	Chlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-38-3/106-4	**m,p-Xylenes**	**4.56**	3.15	6.31	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	J
95-47-6	**o-Xylene**	**3.88**	3.15	6.31	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	J
100-42-5	Styrene	ND	1.58	6.31	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
108-67-8	**1,3,5-Trimethylbenzene**	**2.15**	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	J
95-49-8	2-Chlorotoluene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
95-63-6	**1,2,4-Trimethylbenzene**	**3.44**	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	
135-98-8	sec-Butylbenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.58	3.15	ug/kg dry	1	11/05/15 15:34	11/05/15 15:34/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*108 %*	*70-130*		*11/05/15 15:34*	*11/05/15 15:34/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*97 %*	*70-130*		*11/05/15 15:34*	*11/05/15 15:34/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*75 %*	*70-130*		*11/05/15 15:34*	*11/05/15 15:34/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
108-95-2	Phenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
621-64-7	N-Nitroso-di-n-propylamine	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
78-59-1	Isophorone	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	131	525	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**335**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
106-47-8	4-Chloroaniline	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
91-57-6	**2-Methylnaphthylene**	**75.4**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
77-47-4	Hexachlorocyclopentadiene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**242**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	52.5	525	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
132-64-9	**Dibenzofuran**	**148**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
606-20-2	2,6-Dinitrotoluene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
121-14-2	2,4-Dinitrotoluene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
86-73-7	**Fluorene**	**181**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**489**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
120-12-7	**Anthracene**	**93.2**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**326**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	
129-00-0	**Pyrene**	**216**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
85-68-7	Butylbenzylphthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	131	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**77.1**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
218-01-9	**Chrysene**	**81.3**	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	52.5	263	ug/kg dry	1	11/04/15 12:21	11/05/15 21:01/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*56 %*	*30-130*		*11/04/15 12:21*	*11/05/15 21:01/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Phenol-d5				*69 %*	*30-130*		*11/04/15 12:21*	*11/05/15 21:01/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*53 %*	*30-130*		*11/04/15 12:21*	*11/05/15 21:01/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*53 %*	*30-130*		*11/04/15 12:21*	*11/05/15 21:01/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*84 %*	*30-130*		*11/04/15 12:21*	*11/05/15 21:01/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*61 %*	*30-130*		*11/04/15 12:21*	*11/05/15 21:01/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	10.5	10.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.10	2.10	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.04	1.04	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	52.5	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U

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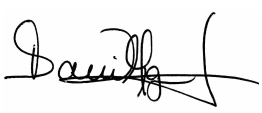

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/16/2015 13:27

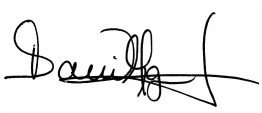
Client ID: EP-12

Lab ID: 1501974-01 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
12674-11-2	Aroclor-1016	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	26.2	52.5	ug/kg dry	1	11/06/15 05:59	11/06/15 20:18/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*94.3 %*	*30-150*		*11/06/15 05:59*	*11/06/15 20:18/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*98.2 %*	*30-150*		*11/06/15 05:59*	*11/06/15 20:18/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*86.8 %*	*30-150*		*11/06/15 05:59*	*11/06/15 20:18/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*110 %*	*30-150*		*11/06/15 05:59*	*11/06/15 20:18/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8820**	31.5	31.5	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-36-0	Antimony	ND	6.31	6.31	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.65**	1.58	1.58	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-39-3	**Barium**	**50.9**	31.5	31.5	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.789	0.789	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.789	0.789	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-70-2	**Calcium**	**4870**	39.4	39.4	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-47-3	**Chromium**	**14.0**	3.15	3.15	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-48-4	Cobalt	ND	7.89	7.89	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-50-8	**Copper**	**23.2**	4.73	4.73	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7439-89-6	**Iron**	**13700**	39.4	39.4	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7439-92-1	**Lead**	**22.4**	1.58	1.58	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/16/2015 13:27

Client ID: EP-12

Lab ID: 1501974-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-95-4	**Magnesium**	**5430**	78.9	78.9	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7439-96-5	**Manganese**	**161**	3.15	3.15	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-02-0	**Nickel**	**15.8**	6.31	6.31	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-09-7	**Potassium**	**1010**	78.9	78.9	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7782-49-2	Selenium	ND	6.31	6.31	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.789	0.789	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-23-5	**Sodium**	**395**	78.9	78.9	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.37	4.73	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**15.9**	7.89	7.89	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
7440-66-6	**Zinc**	**60.7**	9.46	9.46	mg/kg dry	1	11/05/15 06:45	11/05/15 13:34/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.118	0.118	mg/kg dry	1	11/04/15 07:58	11/04/15 14:57/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.58	1.58	mg/kg dry	1	11/03/15 10:10	11/03/15 15:07/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**63.4**	0.100	0.100	%	1	11/03/15 08:57	11/04/15 10:35/CLD	SM 2540 G	

Accredited Analytical Resources LLC

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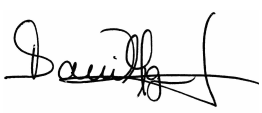

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	138th Street, Bronx, NY; 10BR188
CONTACT:	Doug Harm
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm
EMAIL FOR INVOICE:	dharm@brink.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1501974
P.O. #	10BR188

ANALYSIS

PRES. CODE →
CONT. CODE →

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL Bun	TCL Bun	AAR SAMPLE #
EP-12	10/30/15/11:00AM	S		4	G	✓	✓	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC ~~E = ENCORE~~ PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) (STANDARD) 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable.

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name:	Print Name:	Print Name: K. Muniz
Signature: Monica Norton	Signature:	Signature:	Signature: K. Muniz
Agent of:	Agent of:	Agent of:	Agent of: AAR
Date Received: 11/2/15	Time: 13:40	Date Received: 11/2/15	Time: 15:50

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

18 November 2015 AAR Work Order: 1502015

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: E. 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 11/05/2015 16:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/18/2015 15:39

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-13	1502015-01	Soil	11/04/2015 08:50	11/05/2015 16:25
EP-9b	1502015-02	Soil	11/04/2015 13:15	11/05/2015 16:25

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/18/2015 15:39

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

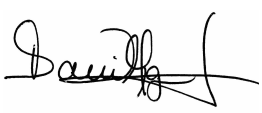
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

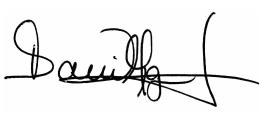
Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-13

Lab ID: 1502015-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	48.1	80.1	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	16.0	80.1	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
67-64-1	**Acetone**	**71.9**	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
74-87-3	Chloromethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
74-83-9	Bromomethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
75-00-3	Chloroethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
78-93-3	2-Butanone	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
67-66-3	Chloroform	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
71-43-2	Benzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U

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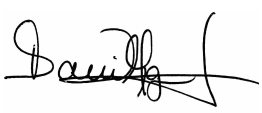

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-13

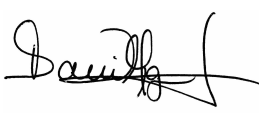
Lab ID: 1502015-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
108-88-3	Toluene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	16.0	32.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
95-47-6	o-Xylene	ND	16.0	32.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
100-42-5	Styrene	ND	8.01	32.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
75-25-2	Bromoform	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-13

Lab ID: 1502015-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	8.01	16.0	ug/kg dry	1	11/09/15 18:31	11/09/15 18:31/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*103 %*	*70-130*		*11/09/15 18:31*	*11/09/15 18:31/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*99 %*	*70-130*		*11/09/15 18:31*	*11/09/15 18:31/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*89 %*	*70-130*		*11/09/15 18:31*	*11/09/15 18:31/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
108-95-2	Phenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U

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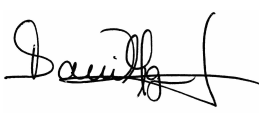

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-13

Lab ID: 1502015-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
78-59-1	Isophorone	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	403	1620	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**163**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	162	1620	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-13

Lab ID: 1502015-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
84-66-2	Diethyl phthalate	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
86-73-7	Fluorene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**1240**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	
120-12-7	**Anthracene**	**273**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**1120**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	
129-00-0	**Pyrene**	**1540**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	403	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**536**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
218-01-9	**Chrysene**	**638**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**361**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
207-08-9	**Benzo[k]fluoranthene**	**371**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
50-32-8	**Benzo[a]pyrene**	**421**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**243**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
53-70-3	Dibenzo(a,h)anthracene	ND	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	U
191-24-2	**Benzo[ghi]perylene**	**272**	162	811	ug/kg dry	1	11/10/15 11:59	11/11/15 18:39/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*81 %*	*30-130*		*11/10/15 11:59*	*11/11/15 18:39/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

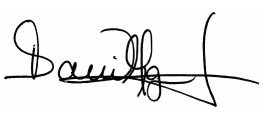
Reported:
11/18/2015 15:39

Client ID: EP-13

Lab ID: 1502015-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Phenol-d5				*92 %*	*30-130*		*11/10/15 11:59*	*11/11/15 18:39/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*86 %*	*30-130*		*11/10/15 11:59*	*11/11/15 18:39/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*87 %*	*30-130*		*11/10/15 11:59*	*11/11/15 18:39/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*101 %*	*30-130*		*11/10/15 11:59*	*11/11/15 18:39/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*124 %*	*30-130*		*11/10/15 11:59*	*11/11/15 18:39/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	32.3	32.3	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	6.46	6.46	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	3.20	3.20	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	162	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/18/2015 15:39

Client ID: EP-13

Lab ID: 1502015-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
12674-11-2	Aroclor-1016	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	80.6	162	ug/kg dry	1	11/10/15 05:32	11/12/15 17:03/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*102 %*	*30-150*		*11/10/15 05:32*	*11/12/15 17:03/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*85.8 %*	*30-150*		*11/10/15 05:32*	*11/12/15 17:03/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*90.3 %*	*30-150*		*11/10/15 05:32*	*11/12/15 17:03/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*83.5 %*	*30-150*		*11/10/15 05:32*	*11/12/15 17:03/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**3570**	97.1	97.1	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
7440-36-0	Antimony	ND	19.4	19.4	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-38-2	Arsenic	ND	4.85	4.85	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-39-3	Barium	ND	97.1	97.1	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-41-7	Beryllium	ND	2.43	2.43	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	2.43	2.43	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-70-2	**Calcium**	**22800**	121	121	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
7440-47-3	Chromium	ND	9.71	9.71	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-48-4	Cobalt	ND	24.3	24.3	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-50-8	**Copper**	**27.3**	14.6	14.6	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
7439-89-6	**Iron**	**9180**	121	121	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
7439-92-1	**Lead**	**10.2**	4.85	4.85	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-13

Lab ID: 1502015-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-95-4	**Magnesium**	**10700**	243	243	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
7439-96-5	**Manganese**	**211**	9.71	9.71	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
7440-02-0	Nickel	ND	19.4	19.4	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-09-7	**Potassium**	**762**	243	243	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
7782-49-2	Selenium	ND	19.4	19.4	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-22-4	Silver	ND	2.43	2.43	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-23-5	**Sodium**	**3730**	243	243	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
7440-28-0	Thallium	ND	7.28	14.6	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-62-2	Vanadium	ND	24.3	24.3	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	U
7440-66-6	**Zinc**	**166**	29.1	29.1	mg/kg dry	1	11/09/15 08:47	11/09/15 19:03/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.364	0.364	mg/kg dry	1	11/09/15 07:46	11/09/15 15:32/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	4.85	4.85	mg/kg dry	1	11/10/15 10:00	11/11/15 16:14/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**20.6**	0.100	0.100	%	1	11/09/15 12:00	11/10/15 10:30/CLD	SM 2540 G	

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	13.8	22.9	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	4.59	22.9	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
67-64-1	Acetone	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-71-8	Dichlorodifluoromethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
71-43-2	Benzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
108-88-3	Toluene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	4.59	9.17	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
95-47-6	o-Xylene	ND	4.59	9.17	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
100-42-5	Styrene	ND	2.29	9.17	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
98-82-8	**Isopropylbenzene**	**2.59**	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
103-65-1	**n-Propyl Benzene**	**4.54**	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	J
108-86-1	Bromobenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
95-63-6	**1,2,4-Trimethylbenzene**	**4.17**	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	J
135-98-8	sec-Butylbenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.29	4.59	ug/kg dry	1	11/09/15 20:06	11/09/15 20:06/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*107 %*	*70-130*		*11/09/15 20:06*	*11/09/15 20:06/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*97 %*	*70-130*		*11/09/15 20:06*	*11/09/15 20:06/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*83 %*	*70-130*		*11/09/15 20:06*	*11/09/15 20:06/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
108-95-2	Phenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
621-64-7	N-Nitroso-di-n-propylamine	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
78-59-1	Isophorone	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	143	574	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**70.7**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**107**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	57.4	574	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
121-14-2	2,4-Dinitrotoluene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
86-73-7	**Fluorene**	**103**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**1240**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	
120-12-7	**Anthracene**	**250**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**1020**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	
129-00-0	**Pyrene**	**1440**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	143	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**498**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	
117-81-7	bis(2-ethylhexyl)phthalate	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
218-01-9	**Chrysene**	**664**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	
117-84-0	Di-n-octyl phthalate	ND	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**342**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	
207-08-9	**Benzo[k]fluoranthene**	**320**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	
50-32-8	**Benzo[a]pyrene**	**393**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**209**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	J
53-70-3	**Dibenzo(a,h)anthracene**	**97.7**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	J
191-24-2	**Benzo[ghi]perylene**	**244**	57.4	288	ug/kg dry	1	11/10/15 11:59	11/11/15 19:25/JMM	EPA 8270	J

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: 2-Fluorophenol				*85 %*	*30-130*		*11/10/15 11:59*	*11/11/15 19:25/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*94 %*	*30-130*		*11/10/15 11:59*	*11/11/15 19:25/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*90 %*	*30-130*		*11/10/15 11:59*	*11/11/15 19:25/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*91 %*	*30-130*		*11/10/15 11:59*	*11/11/15 19:25/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*99 %*	*30-130*		*11/10/15 11:59*	*11/11/15 19:25/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*127 %*	*30-130*		*11/10/15 11:59*	*11/11/15 19:25/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	11.5	11.5	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.29	2.29	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.14	1.14	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U

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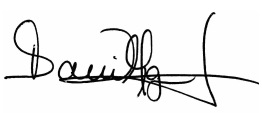

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
8001-35-2	Toxaphene	ND	57.4	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	28.6	57.4	ug/kg dry	1	11/10/15 05:32	11/12/15 17:34/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*99.5 %*	*30-150*		*11/10/15 05:32*	*11/12/15 17:34/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*84.4 %*	*30-150*		*11/10/15 05:32*	*11/12/15 17:34/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*90.2 %*	*30-150*		*11/10/15 05:32*	*11/12/15 17:34/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*81.1 %*	*30-150*		*11/10/15 05:32*	*11/12/15 17:34/JAM*	*EPA 8081/8082*	

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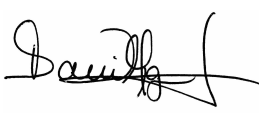

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

Accredited Analytical Resources LLC

Total Metals by EPA Method SW846 6010

Sample Prepared by Method:EPA 3050B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7429-90-5	**Aluminum**	**9520**	34.5	34.5	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-36-0	Antimony	ND	6.90	6.90	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.41**	1.72	1.72	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-39-3	**Barium**	**63.8**	34.5	34.5	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.862	0.862	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.862	0.862	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	U
7440-70-2	**Calcium**	**10200**	43.1	43.1	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-47-3	**Chromium**	**16.6**	3.45	3.45	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-48-4	Cobalt	ND	8.62	8.62	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	U
7440-50-8	**Copper**	**23.2**	5.17	5.17	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7439-89-6	**Iron**	**15400**	43.1	43.1	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7439-92-1	**Lead**	**31.5**	1.72	1.72	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7439-95-4	**Magnesium**	**7330**	86.2	86.2	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7439-96-5	**Manganese**	**274**	3.45	3.45	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-02-0	**Nickel**	**14.7**	6.90	6.90	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-09-7	**Potassium**	**1490**	86.2	86.2	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7782-49-2	Selenium	ND	6.90	6.90	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.862	0.862	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	U
7440-23-5	**Sodium**	**447**	86.2	86.2	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.59	5.17	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**25.3**	8.62	8.62	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	
7440-66-6	**Zinc**	**62.4**	10.3	10.3	mg/kg dry	1	11/09/15 08:47	11/09/15 19:08/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method:EPA 7471A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7439-97-6	Mercury	ND	0.129	0.129	mg/kg dry	1	11/09/15 07:46	11/09/15 15:34/PRT	EPA 7471	

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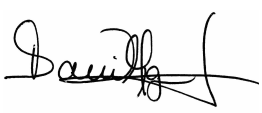

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/18/2015 15:39

Client ID: EP-9b

Lab ID: 1502015-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.72	1.72	mg/kg dry	1	11/10/15 10:00	11/11/15 16:14/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**58.0**	0.100	0.100	%	1	11/09/15 12:00	11/10/15 10:30/CLD	SM 2540 G	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ ZIP: 08736

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	E. 138th Street, Bronx NY; 10BR188
CONTACT:	Doug Harm
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm
EMAIL FOR INVOICE:	dharm@brnk.env

AAR QUOTE #	
AAR WORK ORDER #	1502015
P.O. #	10BR188

COLLECTION INFORMATION / ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL Full	TCL Full	AAR SAMPLE #
EP-13	11/4/15 08:50	S		4	G	✓	✓	-01
EP-9b	11/4/15 13:15	S		4	G	✓	✓	-02

PRES. CODE →
CONT. CODE →

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Send Invoice to Brinkerhoff; NYSDEC Category B data deliverable COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: J. Matias	Print Name:	Print Name: K. Muniz
Signature: Monica Norton	Signature:	Signature:	Signature: K. Muniz
Agent of:	Agent of: AAR	Agent of:	Agent of: AAR
Date Received: 11 / 05 / 15	Time: 11:40	Date Received: 11 / 5 / 15	Time: 1625

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

17 November 2015

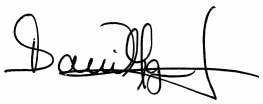
AAR Work Order: 1502031

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 11/10/2015 14:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

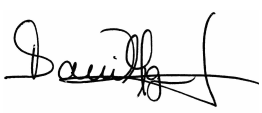
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-14	1502031-01	Soil	11/09/2015 10:40	11/10/2015 14:15
EP-15	1502031-02	Soil	11/09/2015 10:50	11/10/2015 14:15
EP-16	1502031-03	Soil	11/09/2015 11:10	11/10/2015 14:15

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
E	Concentration exceeds calibration range
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

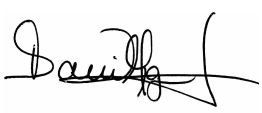
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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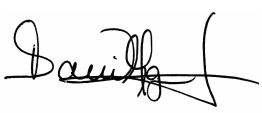
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-14

Lab ID: 1502031-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	13.6	22.7	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	4.54	22.7	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
67-64-1	**Acetone**	**13.4**	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**3.22**	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	B, J
156-60-5	trans-1,2-Dichloroethene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
71-43-2	Benzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-14

Lab ID: 1502031-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
108-88-3	Toluene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	4.54	9.07	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
95-47-6	o-Xylene	ND	4.54	9.07	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
100-42-5	Styrene	ND	2.27	9.07	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-14

Lab ID: 1502031-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.27	4.54	ug/kg dry	1	11/17/15 14:17	11/17/15 14:17/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*107 %*	*70-130*		*11/17/15 14:17*	*11/17/15 14:17/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*105 %*	*70-130*		*11/17/15 14:17*	*11/17/15 14:17/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*92 %*	*70-130*		*11/17/15 14:17*	*11/17/15 14:17/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
108-95-2	Phenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-14

Lab ID: 1502031-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
78-59-1	Isophorone	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	132	529	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**252**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
91-57-6	**2-Methylnaphthylene**	**87.4**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
77-47-4	Hexachlorocyclopentadiene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**139**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	52.9	529	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
132-64-9	**Dibenzofuran**	**130**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
606-20-2	2,6-Dinitrotoluene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-14

Lab ID: 1502031-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
84-66-2	Diethyl phthalate	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
86-73-7	**Fluorene**	**204**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**1370**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
120-12-7	**Anthracene**	**335**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
84-74-2	Di-n-butyl phthalate	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**1440**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
129-00-0	**Pyrene**	**1100**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	132	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**539**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
117-81-7	**bis(2-ethylhexyl)phthalate**	**193**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
218-01-9	**Chrysene**	**526**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
117-84-0	Di-n-octyl phthalate	ND	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**492**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
207-08-9	**Benzo[k]fluoranthene**	**399**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
50-32-8	**Benzo[a]pyrene**	**504**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**202**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
53-70-3	**Dibenzo(a,h)anthracene**	**111**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
191-24-2	**Benzo[ghi]perylene**	**201**	52.9	265	ug/kg dry	1	11/13/15 05:53	11/14/15 01:44/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*68 %*	*30-130*		*11/13/15 05:53*	*11/14/15 01:44/JMM*	*EPA 8270*	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-14

Lab ID: 1502031-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

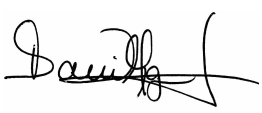
Surrogate: Phenol-d5	*87 %*	*30-130*		*11/13/15 05:53*	*11/14/15 01:44/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5	*66 %*	*30-130*		*11/13/15 05:53*	*11/14/15 01:44/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl	*63 %*	*30-130*		*11/13/15 05:53*	*11/14/15 01:44/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*95 %*	*30-130*		*11/13/15 05:53*	*11/14/15 01:44/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*67 %*	*30-130*		*11/13/15 05:53*	*11/14/15 01:44/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	10.6	10.6	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.11	2.11	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.05	1.05	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	52.9	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-14

Lab ID: 1502031-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
12674-11-2	Aroclor-1016	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	26.3	52.9	ug/kg dry	1	11/11/15 05:48	11/13/15 17:17/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*81.9 %*	*30-150*		*11/11/15 05:48*	*11/13/15 17:17/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*78.2 %*	*30-150*		*11/11/15 05:48*	*11/13/15 17:17/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*87.5 %*	*30-150*		*11/11/15 05:48*	*11/13/15 17:17/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*83.0 %*	*30-150*		*11/11/15 05:48*	*11/13/15 17:17/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8800**	31.7	31.7	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-36-0	Antimony	ND	6.35	6.35	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.88**	1.59	1.59	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-39-3	**Barium**	**65.7**	31.7	31.7	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.794	0.794	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.794	0.794	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	U
7440-70-2	**Calcium**	**9570**	39.7	39.7	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-47-3	**Chromium**	**15.8**	3.17	3.17	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-48-4	Cobalt	ND	7.94	7.94	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	U
7440-50-8	**Copper**	**30.7**	4.76	4.76	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7439-89-6	**Iron**	**15300**	39.7	39.7	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7439-92-1	**Lead**	**58.0**	1.59	1.59	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-14

Lab ID: 1502031-01 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Total Metals by EPA Method SW846 6010										
7439-95-4	**Magnesium**	**7320**	79.4	79.4	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7439-96-5	**Manganese**	**239**	3.17	3.17	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-02-0	**Nickel**	**15.3**	6.35	6.35	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-09-7	**Potassium**	**1510**	79.4	79.4	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7782-49-2	Selenium	ND	6.35	6.35	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.794	0.794	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	U
7440-23-5	**Sodium**	**412**	79.4	79.4	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.38	4.76	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**21.2**	7.94	7.94	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
7440-66-6	**Zinc**	**107**	9.52	9.52	mg/kg dry	1	11/11/15 13:36	11/12/15 14:07/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.119	0.119	mg/kg dry	1	11/11/15 11:28	11/11/15 15:13/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.59	1.59	mg/kg dry	1	11/16/15 08:52	11/16/15 17:00/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**63.0**	0.100	0.100	%	1	11/12/15 09:19	11/13/15 10:00/CLD	SM 2540 G	

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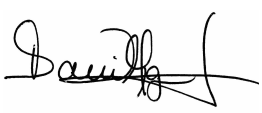

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	10.3	17.2	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	3.45	17.2	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
67-64-1	**Acetone**	**344**	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
75-15-0	**Carbon disulfide**	**2.59**	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	J
75-09-2	Methylene Chloride	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
78-93-3	**2-Butanone**	**84.8**	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
71-43-2	Benzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
108-88-3	Toluene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	3.45	6.90	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
95-47-6	o-Xylene	ND	3.45	6.90	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
100-42-5	Styrene	ND	1.72	6.90	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.72	3.45	ug/kg dry	1	11/16/15 17:23	11/16/15 17:23/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*110 %*	*70-130*		*11/16/15 17:23*	*11/16/15 17:23/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*99 %*	*70-130*		*11/16/15 17:23*	*11/16/15 17:23/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*50 %*	*70-130*	*	*11/16/15 17:23*	*11/16/15 17:23/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
108-95-2	Phenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U

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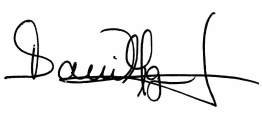

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
78-59-1	Isophorone	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	143	574	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	57.4	574	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
86-73-7	Fluorene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**338**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	
120-12-7	**Anthracene**	**84.2**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**532**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	
129-00-0	**Pyrene**	**453**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	143	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**226**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
218-01-9	**Chrysene**	**236**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**249**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	J
207-08-9	**Benzo[k]fluoranthene**	**200**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	J
50-32-8	**Benzo[a]pyrene**	**245**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**87.9**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	J
53-70-3	Dibenzo(a,h)anthracene	ND	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	U
191-24-2	**Benzo[ghi]perylene**	**86.1**	57.4	288	ug/kg dry	1	11/13/15 05:53	11/14/15 02:29/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*68 %*	*30-130*		*11/13/15 05:53*	*11/14/15 02:29/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*86 %*	*30-130*		*11/13/15 05:53*	*11/14/15 02:29/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Nitrobenzene-d5			*66 %*	*30-130*		*11/13/15 05:53*	*11/14/15 02:29/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl			*64 %*	*30-130*		*11/13/15 05:53*	*11/14/15 02:29/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol			*97 %*	*30-130*		*11/13/15 05:53*	*11/14/15 02:29/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14			*69 %*	*30-130*		*11/13/15 05:53*	*11/14/15 02:29/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	11.5	11.5	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.29	2.29	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.14	1.14	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	57.4	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U

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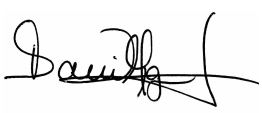

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11104-28-2	Aroclor-1221	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	28.6	57.4	ug/kg dry	1	11/11/15 05:48	11/13/15 17:48/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*77.4 %*	*30-150*		*11/11/15 05:48*	*11/13/15 17:48/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*72.7 %*	*30-150*		*11/11/15 05:48*	*11/13/15 17:48/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*88.1 %*	*30-150*		*11/11/15 05:48*	*11/13/15 17:48/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*89.6 %*	*30-150*		*11/11/15 05:48*	*11/13/15 17:48/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**12500**	34.5	34.5	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-36-0	Antimony	ND	6.90	6.90	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**4.25**	1.72	1.72	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-39-3	**Barium**	**72.1**	34.5	34.5	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.862	0.862	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.862	0.862	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	U
7440-70-2	**Calcium**	**9880**	43.1	43.1	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-47-3	**Chromium**	**21.2**	3.45	3.45	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-48-4	Cobalt	ND	8.62	8.62	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	U
7440-50-8	**Copper**	**35.1**	5.17	5.17	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7439-89-6	**Iron**	**21600**	43.1	43.1	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7439-92-1	**Lead**	**74.3**	1.72	1.72	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7439-95-4	**Magnesium**	**7480**	86.2	86.2	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-96-5	**Manganese**	**298**	3.45	3.45	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-02-0	**Nickel**	**16.5**	6.90	6.90	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-09-7	**Potassium**	**1690**	86.2	86.2	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7782-49-2	Selenium	ND	6.90	6.90	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.862	0.862	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	U
7440-23-5	**Sodium**	**1130**	86.2	86.2	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.59	5.17	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**29.7**	8.62	8.62	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
7440-66-6	**Zinc**	**130**	10.3	10.3	mg/kg dry	1	11/11/15 13:36	11/12/15 14:12/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.129	0.129	mg/kg dry	1	11/11/15 11:28	11/11/15 15:15/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.72	1.72	mg/kg dry	1	11/16/15 08:52	11/16/15 17:00/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**58.0**	0.100	0.100	%	1	11/12/15 09:19	11/13/15 10:00/CLD	SM 2540 G	

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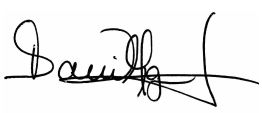

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	17.4	29.0	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	5.81	29.0	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
67-64-1	**Acetone**	**36.0**	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
74-87-3	Chloromethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
74-83-9	Bromomethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
75-00-3	Chloroethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
75-15-0	**Carbon disulfide**	**9.14**	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	
75-09-2	Methylene Chloride	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
78-93-3	2-Butanone	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
67-66-3	Chloroform	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
71-43-2	Benzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
108-88-3	Toluene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	5.81	11.6	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
95-47-6	o-Xylene	ND	5.81	11.6	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
100-42-5	Styrene	ND	2.90	11.6	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
75-25-2	Bromoform	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U

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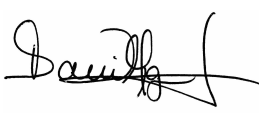

Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-15

Lab ID: 1502031-02RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.90	5.81	ug/kg dry	1	11/17/15 14:46	11/17/15 14:46/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*116 %*	*70-130*		*11/17/15 14:46*	*11/17/15 14:46/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*102 %*	*70-130*		*11/17/15 14:46*	*11/17/15 14:46/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*68 %*	*70-130*	*	*11/17/15 14:46*	*11/17/15 14:46/SG*	*EPA 8260*	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-16

Lab ID: 1502031-03 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	7.13	11.9	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.38	11.9	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
67-64-1	**Acetone**	**50.2**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
71-43-2	Benzene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-16

Lab ID: 1502031-03 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
108-88-3	Toluene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
100-41-4	**Ethylbenzene**	**3.69**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
108-90-7	Chlorobenzene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
108-38-3/106-4	**m,p-Xylenes**	**6.90**	2.38	4.75	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
95-47-6	**o-Xylene**	**13.1**	2.38	4.75	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
100-42-5	Styrene	ND	1.19	4.75	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
98-82-8	**Isopropylbenzene**	**9.39**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
103-65-1	**n-Propyl Benzene**	**18.3**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
108-86-1	Bromobenzene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
108-67-8	**1,3,5-Trimethylbenzene**	**29.7**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
95-49-8	2-Chlorotoluene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-16

Lab ID: 1502031-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	**tert-Butylbenzene**	**1.35**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	J
95-63-6	**1,2,4-Trimethylbenzene**	**19.0**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
135-98-8	**sec-Butylbenzene**	**5.83**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
99-87-6	**p-Isopropyltoluene**	**6.88**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
541-73-1	1,3-Dichlorobenzene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
104-51-8	**n-Butyl Benzene**	**12.6**	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	
95-50-1	1,2-Dichlorobenzene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.19	2.38	ug/kg dry	1	11/16/15 17:52	11/16/15 17:52/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*116 %*	*70-130*		*11/16/15 17:52*	*11/16/15 17:52/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*98 %*	*70-130*		*11/16/15 17:52*	*11/16/15 17:52/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*106 %*	*70-130*		*11/16/15 17:52*	*11/16/15 17:52/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
108-95-2	Phenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-16

Lab ID: 1502031-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-44-5	3 & 4-Methylphenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
78-59-1	Isophorone	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	98.6	395	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**521**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
106-47-8	4-Chloroaniline	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
91-57-6	**2-Methylnaphthylene**	**706**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
77-47-4	Hexachlorocyclopentadiene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
208-96-8	**Acenaphthylene**	**47.8**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	J
99-09-2	3-Nitroaniline	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**310**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
51-28-5	2,4-Dinitrophenol	ND	39.5	395	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
132-64-9	**Dibenzofuran**	**162**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	J

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-16

Lab ID: 1502031-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
606-20-2	2,6-Dinitrotoluene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
86-73-7	**Fluorene**	**336**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
100-01-6	4-Nitroaniline	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**2310**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
120-12-7	**Anthracene**	**514**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
84-74-2	**Di-n-butyl phthalate**	**124**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	J
206-44-0	**Fluoranthene**	**2500**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
129-00-0	**Pyrene**	**2170**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	98.6	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**1030**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
117-81-7	**bis(2-ethylhexyl)phthalate**	**61.7**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	J
218-01-9	**Chrysene**	**1090**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
117-84-0	Di-n-octyl phthalate	ND	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**956**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
207-08-9	**Benzo[k]fluoranthene**	**988**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
50-32-8	**Benzo[a]pyrene**	**1030**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**303**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
53-70-3	**Dibenzo(a,h)anthracene**	**128**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	J

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-16

Lab ID: 1502031-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

191-24-2	**Benzo[ghi]perylene**	**277**	39.5	198	ug/kg dry	1	11/13/15 05:53	11/14/15 03:14/JMM	EPA 8270	
Surrogate: 2-Fluorophenol				*69 %*	*30-130*		*11/13/15 05:53*	*11/14/15 03:14/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*85 %*	*30-130*		*11/13/15 05:53*	*11/14/15 03:14/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*56 %*	*30-130*		*11/13/15 05:53*	*11/14/15 03:14/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*60 %*	*30-130*		*11/13/15 05:53*	*11/14/15 03:14/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*87 %*	*30-130*		*11/13/15 05:53*	*11/14/15 03:14/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*63 %*	*30-130*		*11/13/15 05:53*	*11/14/15 03:14/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	7.91	7.91	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.58	1.58	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U

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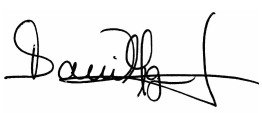

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/17/2015 15:37

Client ID: EP-16

Lab ID: 1502031-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
EPA Method SW846 8081/8082										
5566-34-7	gamma-Chlordane	ND	0.784	0.784	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	39.5	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	19.7	39.5	ug/kg dry	1	11/11/15 05:48	11/13/15 18:19/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*77.1 %*	*30-150*		*11/11/15 05:48*	*11/13/15 18:19/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*76.1 %*	*30-150*		*11/11/15 05:48*	*11/13/15 18:19/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*84.5 %*	*30-150*		*11/11/15 05:48*	*11/13/15 18:19/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*99.3 %*	*30-150*		*11/11/15 05:48*	*11/13/15 18:19/JAM*	*EPA 8081/8082*	

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-16

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Accredited Analytical Resources LLC

Total Metals by EPA Method SW846 6010

Sample Prepared by Method:EPA 3050B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7429-90-5	**Aluminum**	**11300**	23.8	23.8	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-36-0	Antimony	ND	4.75	4.75	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**3.66**	1.19	1.19	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-39-3	**Barium**	**79.6**	23.8	23.8	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.594	0.594	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.594	0.594	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	U
7440-70-2	**Calcium**	**13400**	29.7	29.7	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-47-3	**Chromium**	**21.4**	2.38	2.38	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-48-4	**Cobalt**	**8.44**	5.94	5.94	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-50-8	**Copper**	**61.0**	3.56	3.56	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7439-89-6	**Iron**	**22200**	29.7	29.7	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7439-92-1	**Lead**	**149**	1.19	1.19	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7439-95-4	**Magnesium**	**6940**	59.4	59.4	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7439-96-5	**Manganese**	**412**	2.38	2.38	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-02-0	**Nickel**	**14.7**	4.75	4.75	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-09-7	**Potassium**	**1580**	59.4	59.4	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7782-49-2	Selenium	ND	4.75	4.75	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.594	0.594	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	U
7440-23-5	**Sodium**	**173**	59.4	59.4	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.78	3.56	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**32.0**	5.94	5.94	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	
7440-66-6	**Zinc**	**158**	7.13	7.13	mg/kg dry	1	11/11/15 13:36	11/12/15 14:27/LIT	EPA 6010	

Total Mercury by SW846 7471

Sample Prepared by Method:EPA 7471A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7439-97-6	**Mercury**	**0.158**	0.0891	0.0891	mg/kg dry	1	11/11/15 11:28	11/11/15 15:17/PRT	EPA 7471	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/17/2015 15:37

Client ID: EP-16

Lab ID: 1502031-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.19	1.19	mg/kg dry	1	11/16/15 08:52	11/16/15 17:00/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**84.2**	0.100	0.100	%	1	11/12/15 09:19	11/13/15 10:00/CLD	SM 2540 G	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	138th Street, Bronx, NY; 10BR188
CONTACT:	Doug Harm / Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm and Sharrison@brinkenv
EMAIL FOR INVOICE:	dharm@brink.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1502031
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL Bun	TCL Bun	AAR SAMPLE #
EP-14	11/9/15/10:40	S		4	G	✓	✓	-01
EP-15	11/9/15/10:50	S		4	G	✓	✓	-02
EP-16	11/9/15/11:10	S		4	G	✓	✓	-03

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER
CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER 1 week
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Send invoice to Brinkerhoff; NYSDEC Category B data deliverable.
COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: John Ingram	Print Name: John Ingram	Print Name: K. Muniz
Signature: Monica Norton	Signature:	Signature:	Signature: K. Muniz
Agent of:	Agent of: AAR	Agent of: AAR	Agent of: AAR
Date Received: 11/10/15	Time: 10:15	Date Received: 11/10/15	Time: 14:50

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	

Accredited Analytical Resources, LLC.

25 November 2015 AAR Work Order: 1502101

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: E. 138th Street, Bronx, NY; 10BR188

Enclosed are the results of analyses for samples received by the laboratory on 11/18/2015 16:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/25/2015 14:41

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-17	1502101-01	Soil	11/17/2015 11:50	11/18/2015 16:10

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
E	Concentration exceeds calibration range
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/25/2015 14:41

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

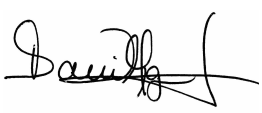
Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/25/2015 14:41

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	Yes
Samples Hand Delivered	No

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/25/2015 14:41

Client ID: EP-17

Lab ID: 1502101-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	25.0	41.7	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	8.35	41.7	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
67-64-1	**Acetone**	**73.0**	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
74-87-3	Chloromethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
74-83-9	Bromomethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
75-00-3	Chloroethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**6.26**	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	J
156-60-5	trans-1,2-Dichloroethene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
78-93-3	2-Butanone	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
67-66-3	Chloroform	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
71-43-2	Benzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/25/2015 14:41

Client ID: EP-17

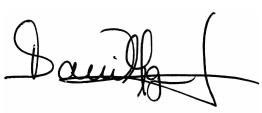
Lab ID: 1502101-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
108-88-3	Toluene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	8.35	16.7	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
95-47-6	o-Xylene	ND	8.35	16.7	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
100-42-5	Styrene	ND	4.17	16.7	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
75-25-2	Bromoform	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/25/2015 14:41

Client ID: EP-17

Lab ID: 1502101-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	**1,2,4-Trimethylbenzene**	**6.72**	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	J
135-98-8	sec-Butylbenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.17	8.35	ug/kg dry	1	11/25/15 13:31	11/25/15 13:31/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*119 %*	*70-130*		*11/25/15 13:31*	*11/25/15 13:31/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*109 %*	*70-130*		*11/25/15 13:31*	*11/25/15 13:31/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*98 %*	*70-130*		*11/25/15 13:31*	*11/25/15 13:31/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
108-95-2	Phenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/25/2015 14:41

Client ID: EP-17

Lab ID: 1502101-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
78-59-1	Isophorone	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
65-85-0	**Benzoic acid**	**314**	157	628	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
111-91-1	bis(2-chloroethoxy)methane	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**132**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**112**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	62.8	628	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/25/2015 14:41

Client ID: EP-17

Lab ID: 1502101-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Semivolatile Organic Compounds EPA Method SW846 8270										
84-66-2	Diethyl phthalate	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
86-73-7	**Fluorene**	**91.4**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**438**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	
120-12-7	**Anthracene**	**106**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**580**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	
129-00-0	**Pyrene**	**431**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	157	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**231**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
218-01-9	**Chrysene**	**239**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**224**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
207-08-9	**Benzo[k]fluoranthene**	**201**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
50-32-8	**Benzo[a]pyrene**	**247**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**132**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
53-70-3	**Dibenzo(a,h)anthracene**	**70.0**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
191-24-2	**Benzo[ghi]perylene**	**130**	62.8	315	ug/kg dry	1	11/23/15 07:36	11/23/15 20:36/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*70 %*	*30-130*		*11/23/15 07:36*	*11/23/15 20:36/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: E. 138th Street, Bronx, NY; 10BR188	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	11/25/2015 14:41

Client ID: EP-17

Lab ID: 1502101-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Phenol-d5				*85 %*	*30-130*		*11/23/15 07:36*	*11/23/15 20:36/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*66 %*	*30-130*		*11/23/15 07:36*	*11/23/15 20:36/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*62 %*	*30-130*		*11/23/15 07:36*	*11/23/15 20:36/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*100 %*	*30-130*		*11/23/15 07:36*	*11/23/15 20:36/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*63 %*	*30-130*		*11/23/15 07:36*	*11/23/15 20:36/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	12.6	12.6	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	2.51	2.51	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	1.25	1.25	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	62.8	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/25/2015 14:41

Client ID: EP-17

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Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
12674-11-2	Aroclor-1016	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	31.3	62.8	ug/kg dry	1	11/19/15 12:05	11/20/15 23:45/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*78.8 %*	*30-150*		*11/19/15 12:05*	*11/20/15 23:45/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*85.4 %*	*30-150*		*11/19/15 12:05*	*11/20/15 23:45/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*74.3 %*	*30-150*		*11/19/15 12:05*	*11/20/15 23:45/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*82.6 %*	*30-150*		*11/19/15 12:05*	*11/20/15 23:45/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8580**	37.7	37.7	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-36-0	Antimony	ND	7.55	7.55	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**3.28**	1.89	1.89	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-39-3	**Barium**	**60.1**	37.7	37.7	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.943	0.943	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.943	0.943	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	U
7440-70-2	**Calcium**	**10200**	47.2	47.2	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-47-3	**Chromium**	**15.0**	3.77	3.77	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-48-4	Cobalt	ND	9.43	9.43	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	U
7440-50-8	**Copper**	**21.7**	5.66	5.66	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7439-89-6	**Iron**	**19200**	47.2	47.2	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7439-92-1	**Lead**	**39.2**	1.89	1.89	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: E. 138th Street, Bronx, NY; 10BR188
Project Manager: Doug Harm

Reported:
11/25/2015 14:41

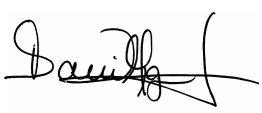
Client ID: EP-17

Lab ID: 1502101-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-95-4	**Magnesium**	**7530**	94.3	94.3	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7439-96-5	**Manganese**	**234**	3.77	3.77	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-02-0	**Nickel**	**13.2**	7.55	7.55	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-09-7	**Potassium**	**1190**	94.3	94.3	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7782-49-2	Selenium	ND	7.55	7.55	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.943	0.943	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	U
7440-23-5	**Sodium**	**1140**	94.3	94.3	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.83	5.66	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**20.7**	9.43	9.43	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
7440-66-6	**Zinc**	**55.7**	11.3	11.3	mg/kg dry	1	11/19/15 10:20	11/19/15 19:57/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.142	0.142	mg/kg dry	1	11/23/15 09:25	11/23/15 15:52/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.89	1.89	mg/kg dry	1	11/23/15 08:59	11/23/15 15:30/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**53.0**	0.100	0.100	%	1	11/23/15 10:00	11/24/15 09:30/CLD	SM 2540 G	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	E 138th Street, Bronx, NY; 10BR188
CONTACT:	Doug Harm + Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm + Sean Harrison
EMAIL FOR INVOICE:	dharm@brink.env + sharrison@brink.env

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1502101
P.O. #	10BR188

COLLECTION INFORMATION / ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL full	TCL full	AAR SAMPLE #
EP-17	11/17/15/11:50	S		4	G			-01

PRES. CODE →
CONT. CODE →

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER ____
CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER ____

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. (OTHER) 1 week
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ (FULL) X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Category B data deliverable. Please complete hardcopy report by November 25th, 2015. COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name:	Print Name:	Print Name: K. Muniz
Signature: Monica Norton	Signature:	Signature:	Signature: K Muniz
Agent of:	Agent of: AAR	Agent of: AAR	Agent of: AAR
Date Received: 11/18/15	Time: 12:20	Date Received: 11/18/15	Time: 1610

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street, Bronx, NY

AAR Work Order: 1502312

Client Sample ID:	Lab Sample ID:
Cr-1	1502312-01
Cr-2	1502312-02
Cr-3	1502312-03

This data has been reviewed and accepted by:

Daniel Miguel 01/08/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

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Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 3 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street, Bronx, NY) on 12/22/2015 1:50:00 PM.

All analyses were performed within the required holding time.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director

Methodology Summary

Total Metals by EPA Method SW846 6010:
NJ 6010B
NY 6010C

Wet Chemistry:
Percent Solids by SM 2540 G
Hexavalent Chromium by 3060A/7196A

Accredited Analytical Resources, LLC.

Internal Chain of Custody

1502312-01 (A)	*Out*	*In*
Wets	12/23/15 8:47 by CLD	12/23/15 12:02 by CLD
Wets	12/28/15 8:56 by HTW	12/28/15 10:00 by HTW
1502312-02 (A)	*Out*	*In*
Wets	12/23/15 8:47 by CLD	12/23/15 12:02 by CLD
Wets	12/28/15 8:56 by HTW	12/28/15 10:00 by HTW
1502312-03 (A)	*Out*	*In*
Wets	12/23/15 8:47 by CLD	12/23/15 12:02 by CLD
Wets	12/28/15 8:56 by HTW	12/28/15 10:00 by HTW

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502312**

Received: 12/22/15 13:50

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street, Bronx, NY
CONTACT:	Doug Harm / Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	DH/SH
EMAIL FOR INVOICE:	dharm@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manesquan
STATE:	New Jersey ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1502312
P.O. #	10BR188

COLLECTION INFORMATION / ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → Hex Chrom	Tri Chrom	AAR SAMPLE #
Cr-1	12/22/15 11:38	S		1	G	X	X	-01
Cr-2	12/22/15 11:42	S		1	G	X	X	-02
Cr-3	12/22/15 11:46	S		1	G	X	X	-03

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE

PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Please provide NYSDEC Category B data deliverable. Hard copy report due 1/11/2016.

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Sean Harrison SIGN:

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Sean Harrison	Print Name: K. Muniz	Print Name:	Print Name:
Signature:	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 12/22/15	Time: 1350	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Cr-1	1502312-01	Soil	12/22/2015 11:38	12/22/2015 13:50
Cr-2	1502312-02	Soil	12/22/2015 11:42	12/22/2015 13:50
Cr-3	1502312-03	Soil	12/22/2015 11:46	12/22/2015 13:50

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

METALS SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-1
Lab Sample ID: 1502312-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:38	Matrix:	Soil
Percent Solids:	81.20	File ID:	122815A-023

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7440-47-3	Chromium	9.75	2.46	2.46	1		12/24/15 08:18	EPA 3050B	12/28/15 11:42 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-2
Lab Sample ID: 1502312-02
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:42	Matrix:	Soil
Percent Solids:	81.20	File ID:	122815A-024

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7440-47-3	Chromium	13.1	2.46	2.46	1		12/24/15 08:18	EPA 3050B	12/28/15 11:47 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-3
Lab Sample ID: 1502312-03
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:46	Matrix:	Soil
Percent Solids:	80.00	File ID:	122815A-025

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7440-47-3	Chromium	9.55	2.50	2.50	1		12/24/15 08:18	EPA 3050B	12/28/15 11:52 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS QC SUMMARY

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502312
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5L2404	Preparation:	EPA 3050B
% Solids:	93.00	Laboratory ID:	B5L2404-MS1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Chromium	269	5.58	281	102	75 - 125

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Chromium	269	280	102	0.268	20	75 - 125

* Values outside of QC limits

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 6010

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502312**

Matrix:	Solid	Prep Method:	EPA 3050B
Prep Batch:	B5L2404	Lab Sample ID:	B5L2404-BS1

ANALYTE	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC.	QC LIMITS REC.
Chromium	250	256	102	85 - 115

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

1502322-02

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502312
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Matrix:	Solid	Laboratory ID:	B5L2404-PS1
Batch:	B5L2404	Analysis:	EPA 6010
Preparation:	EPA 3050B	Initial/Final:	0.2 g / 10 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Chromium	4970	104	5000	97.3	80 - 120

Accredited Analytical Resources, LLC.

SAMPLE EXTRACTION DATA

Prep Method: EPA 3050B-EPA 6010

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [g]	Final [mL]	Dilution	% Solids	Notes	Date
1502312-01 [Cr-1]	B5L2404	1.00/50.00	1.00	50.0	1.00	81.20		12/24/2015
1502312-02 [Cr-2]	B5L2404	1.00/50.00	1.00	50.0	1.00	81.20		12/24/2015
1502312-03 [Cr-3]	B5L2404	1.00/50.00	1.00	50.0	1.00	80.00		12/24/2015

Accredited Analytical Resources, LLC.

METALS CALIBRATION DATA

Accredited Analytical Resources, LLC.

METHOD DETECTION AND REPORTING LIMITS

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502312

Matrix:	Solid	Instrument:	Thermo iTEVA

Analyte	MDL	MRL	Units	Method
Chromium	2.00	2.00	mg/kg	EPA 6010

Accredited Analytical Resources, LLC.

ANALYSIS SEQUENCE SUMMARY

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY

Sequence:	S5L2802	Instrument:	Thermo iTEVA
Calibration:	UNASSIGNED		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	S5L2802-ICV1	122815A-005	12/28/15 10:11
Initial Cal Blank	S5L2802-ICB1	122815A-006	12/28/15 10:16
Instrument RL Check	S5L2802-CRL1	122815A-007	12/28/15 10:22
Interference Check A	S5L2802-IFA1	122815A-008	12/28/15 10:27
Interference Check B	S5L2802-IFB1	122815A-009	12/28/15 10:32
Blank	B5L2404-BLK1	122815A-010	12/28/15 10:37
LCS	B5L2404-BS1	122815A-011	12/28/15 10:42
Serial Dilution	S5L2802-SRD1	122815A-013	12/28/15 10:52
Matrix Spike	B5L2404-MS1	122815A-014	12/28/15 10:57
Matrix Spike Dup	B5L2404-MSD1	122815A-015	12/28/15 11:02
Post Spike	B5L2404-PS1	122815A-016	12/28/15 11:07
Calibration Check	S5L2802-CCV1	122815A-020	12/28/15 11:27
Calibration Blank	S5L2802-CCB1	122815A-021	12/28/15 11:32
Cr-1	1502312-01	122815A-023	12/28/15 11:42
Cr-2	1502312-02	122815A-024	12/28/15 11:47
Cr-3	1502312-03	122815A-025	12/28/15 11:52
Calibration Check	S5L2802-CCV2	122815A-027	12/28/15 12:02
Calibration Blank	S5L2802-CCB2	122815A-028	12/28/15 12:07
Instrument RL Check	S5L2802-CRL2	122815A-029	12/28/15 12:12
Interference Check A	S5L2802-IFA2	122815A-030	12/28/15 12:18
Interference Check B	S5L2802-IFB2	122815A-031	12/28/15 12:23

Accredited Analytical Resources, LLC.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010

Client:	**BRINKERHOFF ENVIRONMENTAL**		
Project:	**255 East 138th Street, Bronx, NY**	**Sequence:**	S5L2802
Work Order:	**1502312**	**Instrument**	Thermo iTEVA

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S5L2802-ICV1	Chromium	7500	7350	98.0	ug/L	+/- 10.00%
S5L2802-CCV1	Chromium	5000	4880	97.7	ug/L	+/- 10.00%
S5L2802-CCV2	Chromium	5000	4980	99.5	ug/L	+/- 10.00%

BLANKS

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	Found	Units	RL	Q
S5L2802-ICB1	Chromium	-0.268	ug/L	40.0	U
B5L2404-BLK1	Chromium	ND	mg/kg wet	2.00	U
S5L2802-CCB1	Chromium	-0.275	ug/L	40.0	U
S5L2802-CCB2	Chromium	-0.221	ug/L	40.0	U

Accredited Analytical Resources, LLC.

CRDL STANDARD

EPA 6010

Client:	**BRINKERHOFF ENVIRONMENTAL**	**Calibration:**	UNASSIGNED
Project:	**255 East 138th Street, Bronx, NY**	**Sequence:**	S5L2802
Work Order:	**1502312**	**Instrument**	Thermo iTEVA

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
S5L2802-CRL1	Chromium	40.0	39.5	98.8	ug/L	70 - 130
S5L2802-CRL2	Chromium	40.0	38.8	97.1	ug/L	70 - 130

SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502312
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Matrix:	Solid	Laboratory ID:	S5L2802-SRD1
Sequence:	S5L2802	Source:	ZZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Chromium	5.58	ND	N/A		10.00

* Values outside of QC limits

Accredited Analytical Resources, LLC.

INTERFERENCE CHECK SAMPLE

EPA 6010

Client:	BRINKERHOFF ENVIRONMENTAL	**Calibration:**	UNASSIGNED
Project:	255 East 138th Street, Bronx, NY	**Sequence:**	S5L2802
Work Order:	1502312	**Instrument**	Thermo iTEVA

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S5L2802-IFA1	Chromium	2.00		-0.33		ug/L
S5L2802-IFB1	Chromium	2.00	250	247.20	98.9	ug/L
S5L2802-IFA2	Chromium	2.00		-0.74		ug/L
S5L2802-IFB2	Chromium	2.00	250	250.60	100	ug/L

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

WET CHEMISTRY SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-1
Lab Sample ID: 1502312-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:38	Matrix:	Soil
Percent Solids:	81.20	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	9.75	2.00	2.00	1		12/28/15 08:56	[CALC]	12/29/15 16:01 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND	2.46	2.46	1	U	12/28/15 08:56	SW 846 3060A	12/29/15 16:01 HTW	EPA 7196A

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	81.2	0.100	0.100	1		12/23/15 08:48	Percent Solids	12/23/15 14:44 RMK	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-2
Lab Sample ID: 1502312-02
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:42	Matrix:	Soil
Percent Solids:	81.20	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	13.1	2.00	2.00	1		12/28/15 08:56	[CALC]	12/29/15 16:01 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND	2.46	2.46	1	U	12/28/15 08:56	SW 846 3060A	12/29/15 16:01 HTW	EPA 7196A

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	81.2	0.100	0.100	1		12/23/15 08:48	Percent Solids	12/23/15 14:44 RMK	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Cr-3
Lab Sample ID: 1502312-03
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312

Date Sampled:	12/22/15 11:46	Matrix:	Soil
Percent Solids:	80.00	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	9.55	2.00	2.00	1		12/28/15 08:56	[CALC]	12/29/15 16:01 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND	2.50	2.50	1	U	12/28/15 08:56	SW 846 3060A	12/29/15 16:01 HTW	EPA 7196A

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	80.0	0.100	0.100	1		12/23/15 08:48	Percent Solids	12/23/15 14:44 RMK	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY QC DATA

Accredited Analytical Resources, LLC.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 7196A

Client:	**BRINKERHOFF ENVIRONMENTAL**		
Project:	**255 East 138th Street, Bronx, NY**	**Sequence:**	S5L2916
Work Order:	**1502312**	**Instrument**	Hach

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S5L2916-CCV1	Chromium, Hexavalent	1.00	0.966	96.6	mg/L	+/- 10.00%
S5L2916-ICV1	Chromium, Hexavalent	1.00	0.963	96.3	mg/L	+/- 10.00%

BLANKS

EPA 7196A

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502312
Sequence: S5L2916
Instrument Hach

Lab Sample ID	Analyte	Found	Units	RL	Q
B5L2804-BLK1	Chromium, Hexavalent	ND	mg/kg wet	2.00	U
S5L2916-CCB1	Chromium, Hexavalent	0.0101	mg/L	0.0500	U
S5L2916-ICB1	Chromium, Hexavalent	0.0101	mg/L	0.0500	U

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Cr-1

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502312
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 7196A
Batch:	B5L2804	Preparation:	SW 846 3060A
% Solids:	81.20	Laboratory ID:	B5L2804-MS1
		Client Sample ID:	1502312-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)		MS % REC.		QC LIMITS REC.
Chromium, Hexavalent	49.3	ND	13.7	*	27.8	*	75 - 125

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Cr-1

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502312
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 7196A
Batch:	B5L2804	Preparation:	SW 846 3060A
% Solids:	81.20	Laboratory ID:	B5L2804-MS2
		Client Sample ID:	1502312-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Chromium, Hexavalent	983	ND	898	91.3	75 - 125

* Values outside of QC limits

DUPLICATES

Duplicate

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502312**

Matrix:	Solid	Laboratory ID:	B5L2306-DUP1
Prep Batch:	B5L2306	Initial/Final:	10 g / 10 g
Prep Method:	Percent Solids	Analysis:	SM 2540 G
% Solids:	93.10		

ANALYTE	SAMPLE CONCENTRATION (%)	DUPLICATE CONCENTRATION (%)	RPD %	Q	CONTROL LIMIT
Percent Solids	93.1	93.1	0.00		20

* Values outside of QC limits

Accredited Analytical Resources, LLC.

DUPLICATES

Cr-1

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502312**

Matrix:	Solid	Laboratory ID:	B5L2804-DUP1
Prep Batch:	B5L2804	Initial/Final:	2.5 g / 100 mL
Prep Method:	SW 846 3060A	Analysis:	EPA 7196A
% Solids:	81.20		

ANALYTE	SAMPLE CONCENTRATION (mg/kg dry)	DUPLICATE CONCENTRATION (mg/kg dry)	RPD %	Q	CONTROL LIMIT
Chromium, Hexavalent	ND	2.46 U			20

* Values outside of QC limits

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 7196A

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502312**

Matrix:	Solid	Prep Method:	SW 846 3060A
Prep Batch:	B5L2804	Lab Sample ID:	B5L2804-BS1

ANALYTE	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC.	QC LIMITS REC.
Chromium, Hexavalent	40.0	36.1	90.3	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

1502312-01

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502312
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Matrix:	Solid	Laboratory ID:	B5L2804-PS1
Batch:	B5L2804	Analysis:	EPA 7196A
Preparation:	SW 846 3060A	Initial/Final:	2.5 g / 100 mL

Analyte	Spike Sample Result (SSR) (mg/L)	Sample Result (SR) (mg/L)	Spike Added (SA) (mg/L)	%R	Control Limit %R
Chromium, Hexavalent	0.243	ND	1.00	23.2	85 - 115

Accredited Analytical Resources, LLC.

WET CHEMISTRY

RAW DATA

PROJECT Cr6-soil

Notebook No. 953

Continued from Page

1ppm = 1ml of 100ppm → 100ml in DI H2O
10ppm = 10ml of 100ppm → 100ml in DI H2O

	ml of 10ppm	ml of 1ppm	conc (ppm)
B	—	0	0.00
1	—	1	0.02
2	1	—	0.20
3	2.5	—	0.50
4	5	—	1.00
5	10	—	2.00

Wavelength = 540

INITIAL TEMP = 91°C
Mid TEMP = 90°C
FINAL TEMP = 90°C

pH digestion soln = 13.04
Start digestion = 1030 12/28
End digestion = 1130 12/28
Start pH HNO3 = 1130 12/29
End pH HNO3 = 1300 12/29
Start pH H2SO4 = 1500 12/29
End pH H2SO4 = 1550 12/29
Time of Analysis = 1601 12/29

Color reagent AAR B11P68G
1000 ppm Cr6 Std AAR B11P29A
1000 ppm Cr6 Ics AAR B11P29B
100 ppm Cr6 Std = 10ml of 1000ppm + 100ml
PbCr4 Sigma 23184606
Digestion soln AAR B11P71A
Magnesium Chloride Baker 113694
phosphate Buffer AAR B10P68B

SAMPLE	wt gs
MB	2.5
LCS	
1502312-01	
1502312-01 dup	
1502312-01 MS	
1502312-01 INS	
1502312-01 P	
1502312-02	
1502312-03	
1502323-01	

Continued on Page

Read and Understood By

[signature] 12/29/15 R Kopler 12/29/15

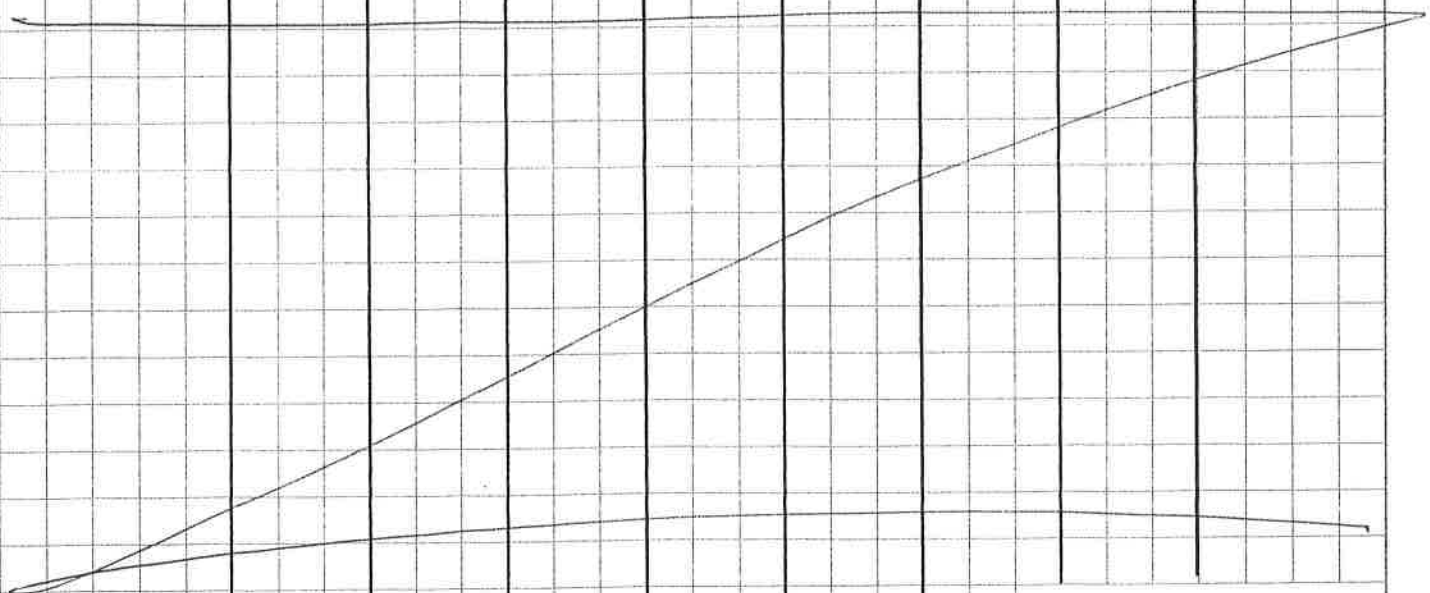
Signed Date Signed Date

PROJECT Cr6-soil

Notebook No. 953 7

Continued from Page

SAMPLE	PH HNO_3	PH H_2CO_4	BG H_2SO_4	ABS	BG ABS	GRR ABS	Dil	
0.00 ppm		<2		0.001			1	
0.02 ppm				0.044				
0.20 ppm				0.381				
0.50 ppm				1.018				Curve
1.00 ppm				1.905				S5L2914
2.00 ppm				4.081				
ICV				1.935				15L2903
ICB				0.001				
MB	7.79	2.02	1.95	0.004	0.003	0.001		
LCB	7.70	2.03	1.99	1.824	0.011	1.813		
1502312-01	7.88	1.98	2.02	0.011	0.008	0.003		B5L2804
1502312-01 dup	7.55	1.96	1.90	0.023	0.021	0.002		S5L2916
1502312-01 ins	7.26	1.98	1.97	0.560	0.015	0.545		
1502312-01 INS	7.91	1.97	1.97	1.832	0.003	1.829	2	
1502312-01 P	7.99	1.98	1.92	0.487	0.013	0.474	1	
1502312-02	7.64	1.91	1.97	0.026	0.023	0.003		
1502312-03	7.85	1.98	2.01	0.012	0.010	0.002		
1502323-01	7.31	1.95	1.96	0.173	0.164	0.009		
CCV		<2		1.940				
CCB				0.001				



Continued on Page

Read and Understood By

[signature] Signed 12/29/15 Date

R Koplin Signed 12/29/15 Date

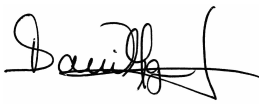
Accredited Analytical Resources, LLC.

29 December 2015 AAR Work Order: 1502312

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 East 138th Street, Bronx, NY

Enclosed are the results of analyses for samples received by the laboratory on 12/22/2015 13:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/29/2015 16:17

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Cr-1	1502312-01	Soil	12/22/2015 11:38	12/22/2015 13:50
Cr-2	1502312-02	Soil	12/22/2015 11:42	12/22/2015 13:50
Cr-3	1502312-03	Soil	12/22/2015 11:46	12/22/2015 13:50

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Methodology Summary

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

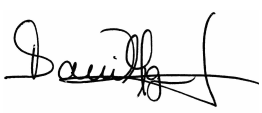
Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/29/2015 16:17

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/29/2015 16:17

Client ID: Cr-1

Lab ID: 1502312-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7440-47-3	**Chromium**	**9.75**	2.46	2.46	mg/kg dry	1	12/24/15 08:18	12/28/15 11:42/LIT	EPA 6010	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**9.75**	2.00	2.00	mg/kg dry	1	12/28/15 08:56	12/29/15 16:01/HTW	[CALC]	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**81.2**	0.100	0.100	%	1	12/23/15 08:48	12/23/15 14:44/RMK	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.46	2.46	mg/kg dry	1	12/28/15 08:56	12/29/15 16:01/HTW	EPA 7196A	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/29/2015 16:17

Client ID: Cr-2

Lab ID: 1502312-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7440-47-3	**Chromium**	**13.1**	2.46	2.46	mg/kg dry	1	12/24/15 08:18	12/28/15 11:47/LIT	EPA 6010	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**13.1**	2.00	2.00	mg/kg dry	1	12/28/15 08:56	12/29/15 16:01/HTW	[CALC]	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**81.2**	0.100	0.100	%	1	12/23/15 08:48	12/23/15 14:44/RMK	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.46	2.46	mg/kg dry	1	12/28/15 08:56	12/29/15 16:01/HTW	EPA 7196A	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/29/2015 16:17

Client ID: Cr-3

Lab ID: 1502312-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7440-47-3	**Chromium**	**9.55**	2.50	2.50	mg/kg dry	1	12/24/15 08:18	12/28/15 11:52/LIT	EPA 6010	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**9.55**	2.00	2.00	mg/kg dry	1	12/28/15 08:56	12/29/15 16:01/HTW	[CALC]	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**80.0**	0.100	0.100	%	1	12/23/15 08:48	12/23/15 14:44/RMK	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.50	2.50	mg/kg dry	1	12/28/15 08:56	12/29/15 16:01/HTW	EPA 7196A	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street, Bronx, NY
CONTACT:	Doug Harm / Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	DH/SH
EMAIL FOR INVOICE:	dharm@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manesquan
STATE:	New Jersey ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1502312
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → Hex Chrom	Tri Chrom	AAR SAMPLE #
Cr-1	12/22/15 11:38	S		1	G	X	X	-01
Cr-2	12/22/15 11:42	S		1	G	X	X	-02
Cr-3	12/22/15 11:46	S		1	G	X	X	-03

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE

PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Please provide NYSDEC Category B data deliverable. Hard copy report due 1/11/2016.

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Sean Harrison SIGN:

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Sean Harrison	Print Name: K. Muniz	Print Name:	Print Name:
Signature:	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 12/22/15	Time: 1350	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street, Bronx, NY

AAR Work Order: 1502323

Client Sample ID:	Lab Sample ID:
EP-18	1502323-01

This data has been reviewed and accepted by:

Daniel Miguel 01/13/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

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Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street, Bronx, NY) on 12/23/2015 12:00:00 PM.

All analyses were performed within the required holding time.

In the BNA analyses, the laboratory control sample (LCS) for Batch B5L2403 recovered outside control limits for multiple analytes. These analytes were within house limits; therefore, the data has been reported.

In the BNA analyses, the MS/MSD for Batch B5L2403 had compounds recovered outside acceptance criteria due to matrix interference. The LCS was within acceptance limits for affected compounds; therefore, no further action required.

In the Pesticide analyses, the laboratory control sample (LCS) for Batch B5L2402 recovered outside control limits for certain analytes. These analytes were within house limits; therefore, the data has been reported.

In the Pesticide analyses, the MS/MSD for Batch B5L2402 had compounds recovered outside acceptance criteria due to matrix interference, the LCS was within acceptance limits for affected compounds; therefore, no further action required.

In the Metals analysis the recoveries of the MS/MSD were outside of acceptance criteria. The QC sample had concentrations too high to be able to determine a spike recovery. The LCS was within acceptance criteria for those metals out in the MS/MSD. The results are included in this data package.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Percent Solids by SM 2540 G
Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014

Accredited Analytical Resources, LLC.

Internal Chain of Custody

1502323-01 (A)	*Out*	*In*
Extractions	12/24/15 9:36 by MJS	12/24/15 9:50 by MJS
VOA Storage	12/28/15 10:38 by SG	by SG
1502323-01 (B)	*Out*	*In*
Metals	12/24/15 7:52 by PRT	12/24/15 7:52 by PRT
Walk-In Storage	12/24/15 7:52 by PRT	12/24/15 7:53 by PRT
Metals	12/24/15 7:53 by PRT	12/28/15 8:19 by PRT
Wets	12/28/15 8:19 by RMK	12/28/15 16:12 by RMK
Wets	12/28/15 16:12 by CLD	12/28/15 16:13 by CLD
1502323-01 (C)	*Out*	*In*
VOA Storage	12/23/15 14:48 by SG	12/23/15 17:30 by SG
1502323-01 (D)	*Out*	*In*
VOA Storage	12/23/15 14:48 by SG	12/23/15 17:30 by SG
1502323-01RE1 (C)	*Out*	*In*
VOA Storage	12/28/15 10:45 by SG	12/28/15 11:49 by SG
VOA Storage	12/28/15 11:49 by DSM	12/28/15 13:36 by DSM
VOA Storage	12/28/15 13:36 by DSM	by DSM

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Received: 12/23/15 12:00

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 E. 138th Street, Bronx, NY
CONTACT:	Doug Harm + Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm + Sean Harrison
EMAIL FOR INVOICE:	dharm@brinkenv.com + sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental Services, Inc.
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1502323
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL Full	TCL Full	Hex Chrom	Tri Chrom	AAR SAMPLE #
EP-18	12/23/15 10:10	S		4	G	X	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____
CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER 1 Week
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Category B data deliverable. Hard copy by January 13th, 2015 NYSDEC
COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: K. Muniz	Print Name:	Print Name:
Signature: Monica Norton	Signature: K. Muniz	Signature:	Signature:
Agent of:	Agent of: AAR	Agent of:	Agent of:
Date Received: 12/23/15	Time: 1200	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-18	1502323-01	Soil	12/23/2015 10:10	12/23/2015 12:00

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

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PEST/PCB

Accredited Analytical Resources, LLC.

PEST/PCB SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:49	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B	File ID:	G14797.D
Prep Batch:	B5L2402	Sequence:	S5L2801	Analyzed:	12/28/15 14:44
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.926	0.926	U
319-85-7	beta-BHC	ND	0.926	0.926	U
319-86-8	delta-BHC	ND	0.926	0.926	U
58-89-9	gamma-BHC [Lindane]	ND	0.926	0.926	U
76-44-8	Heptachlor	ND	0.926	0.926	U
309-00-2	Aldrin	ND	0.926	0.926	U
1024-57-3	Heptachlor Epoxide	ND	0.926	0.926	U
959-98-8	Endosulfan I	ND	0.926	0.926	U
60-57-1	Dieldrin	ND	1.87	1.87	U
72-55-9	4,4'-DDE	ND	1.87	1.87	U
72-20-8	Endrin	ND	1.87	1.87	U
33213-65-9	Endosulfan II	ND	1.87	1.87	U
72-54-8	4,4'-DDD	ND	1.87	1.87	U
1031-07-8	Endosulfan sulfate	ND	1.87	1.87	U
50-29-3	4,4'-DDT	ND	1.87	1.87	U
72-43-5	Methoxychlor	ND	2.81	9.34	U
53494-70-5	Endrin ketone	ND	1.87	1.87	U
7421-93-4	Endrin aldehyde	ND	1.87	1.87	U
5103-71-9	alpha-Chlordane	ND	0.926	0.926	U
5566-34-7	gamma-Chlordane	ND	0.926	0.926	U
8001-35-2	Toxaphene	ND	46.7	46.7	U
12674-11-2	Aroclor-1016	ND	23.3	46.7	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:49	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B	File ID:	G14797.D
Prep Batch:	B5L2402	Sequence:	S5L2801	Analyzed:	12/28/15 14:44
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	23.3	46.7	U
11141-16-5	Aroclor-1232	ND	23.3	46.7	U
53469-21-9	Aroclor-1242	ND	23.3	46.7	U
12672-29-6	Aroclor-1248	ND	23.3	46.7	U
11097-69-1	Aroclor-1254	ND	23.3	46.7	U
11096-82-5	Aroclor-1260	ND	23.3	46.7	U
37324-23-5	Aroclor-1262	ND	23.3	46.7	U
11100-14-4	Aroclor-1268	ND	23.3	46.7	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	63.5%	30-150
Tetrachloro-m-xylene [2C]	56.6%	30-150
Decachlorobiphenyl	54.9%	30-150
Decachlorobiphenyl [2C]	65.1%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14797.D\ECD1A.CH Vial: 12
Signal #2 : D:\G\DATA\DEC15\G1228\G14797.D\ECD2B.CH
Acq On : 28 Dec 2015 14:44 Operator: JAM
Sample : 1502323-01 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 15:17 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) AS Tetrachloro-m-xy	4.62	4.91	1119182	1176126	0.635	0.566
Spiked Amount 1.000	Range 30 - 150		Recovery =		63.50%	56.60%
22) AS Decachlorobiphen	16.31	17.62f	1443274	1661974	0.549	0.651
Spiked Amount 1.000	Range 30 - 150		Recovery =		54.90%	65.10%
Target Compounds						

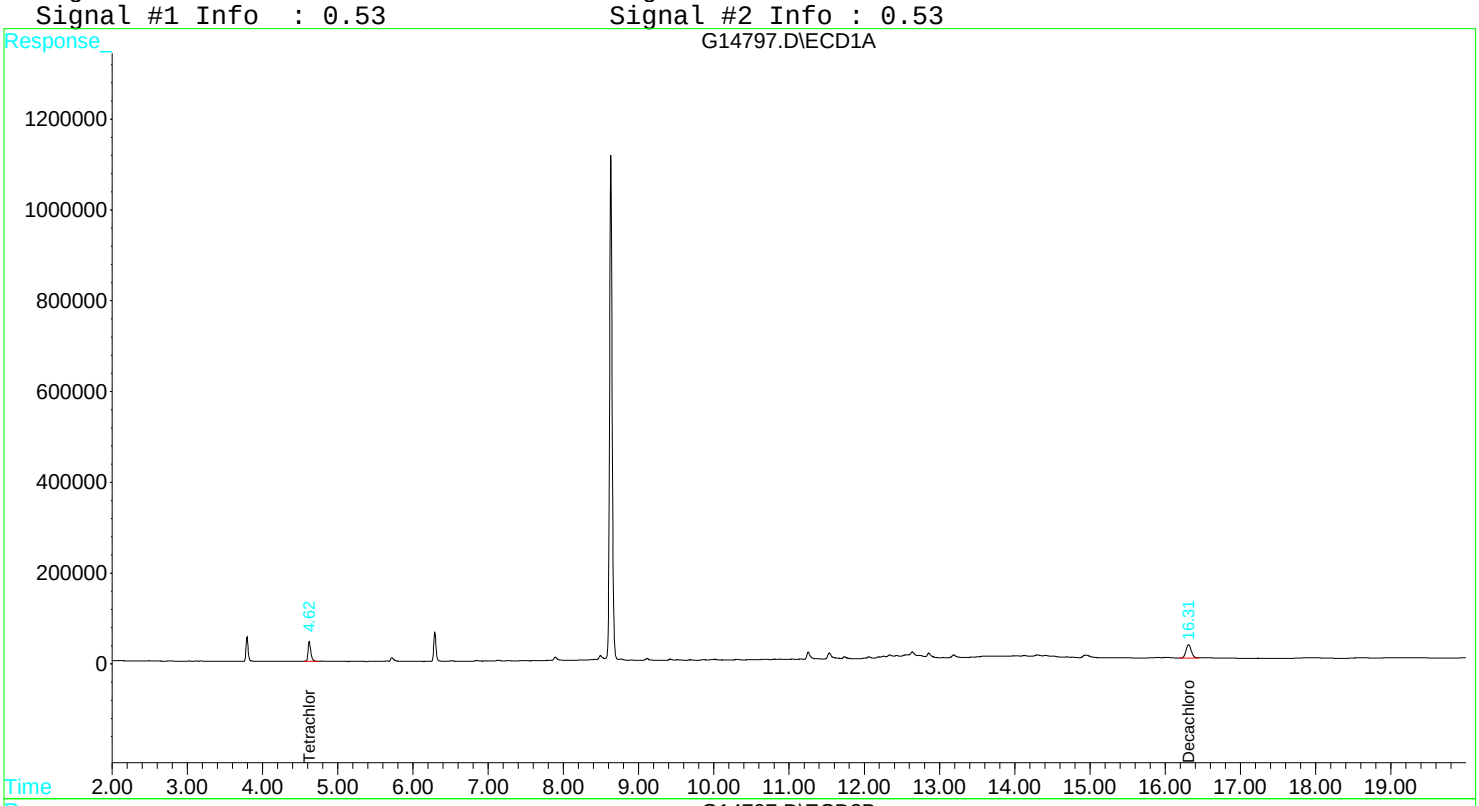
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

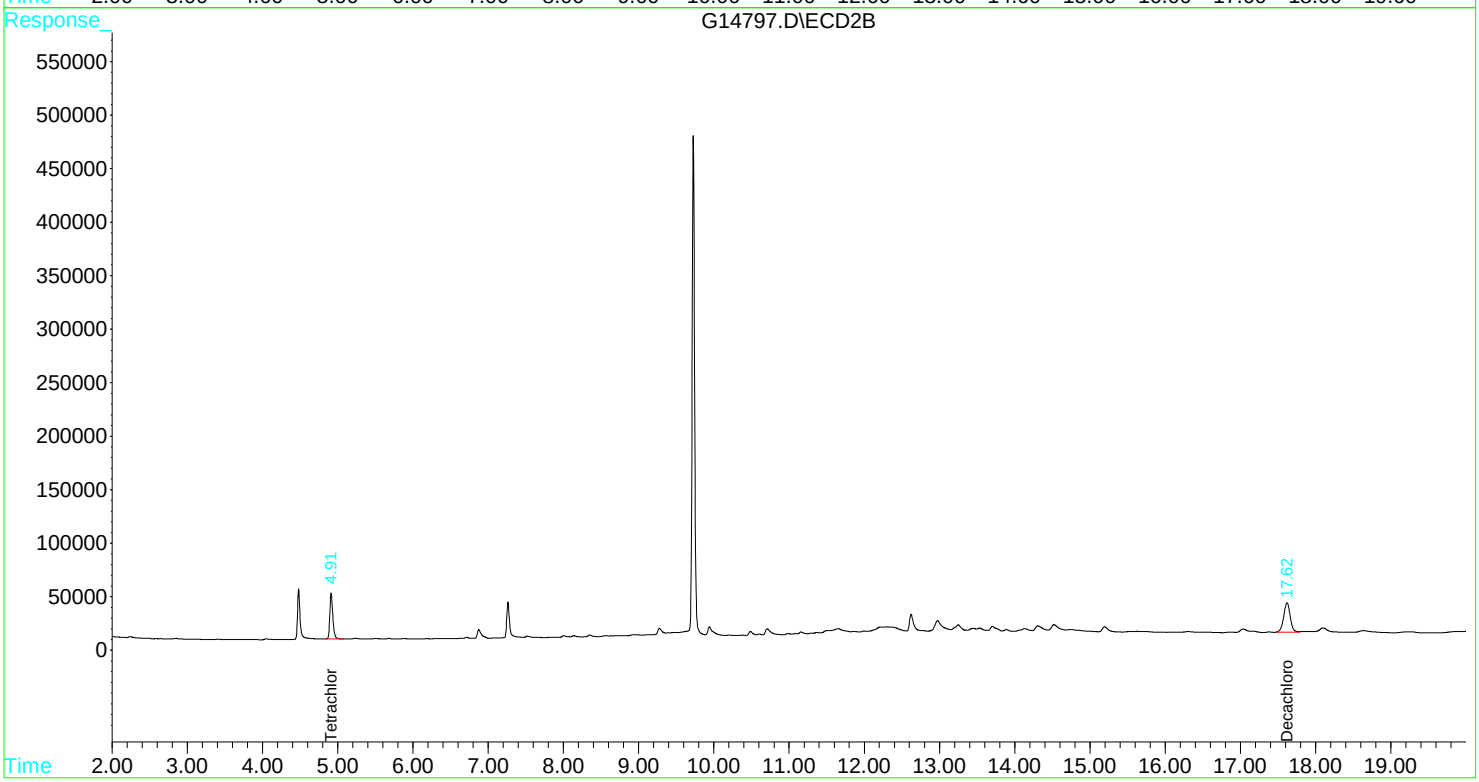
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14797.D\ECD1A.CH Vial: 12
Signal #2 : D:\G\DATA\DEC15\G1228\G14797.D\ECD2B.CH
Acq On : 28 Dec 2015 14:44 Operator: JAM
Sample : 1502323-01 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 15:17 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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PEST/PCB QC DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2402-BLK1	File ID:	G14793.D
Batch:	B5L2402	Prepared:	12/24/15 07:49	Analyzed:	12/28/15 12:48
Column:	1	Preparation:	EPA 3550B	Dilution:	
		Sequence:	S5L2801	Instrument:	GCECD_GHF

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.660	0.660	U
319-85-7	beta-BHC	ND	0.660	0.660	U
319-86-8	delta-BHC	ND	0.660	0.660	U
58-89-9	gamma-BHC [Lindane]	ND	0.660	0.660	U
76-44-8	Heptachlor	ND	0.660	0.660	U
309-00-2	Aldrin	ND	0.660	0.660	U
1024-57-3	Heptachlor Epoxide	ND	0.660	0.660	U
959-98-8	Endosulfan I	ND	0.660	0.660	U
60-57-1	Dieldrin	ND	1.33	1.33	U
72-55-9	4,4'-DDE	ND	1.33	1.33	U
72-20-8	Endrin	ND	1.33	1.33	U
33213-65-9	Endosulfan II	ND	1.33	1.33	U
72-54-8	4,4'-DDD	ND	1.33	1.33	U
1031-07-8	Endosulfan sulfate	ND	1.33	1.33	U
50-29-3	4,4'-DDT	ND	1.33	1.33	U
72-43-5	Methoxychlor	ND	2.00	6.66	U
53494-70-5	Endrin ketone	ND	1.33	1.33	U
7421-93-4	Endrin aldehyde	ND	1.33	1.33	U
5103-71-9	alpha-Chlordane	ND	0.660	0.660	U
5566-34-7	gamma-Chlordane	ND	0.660	0.660	U
8001-35-2	Toxaphene	ND	33.3	33.3	U
12674-11-2	Aroclor-1016	ND	16.6	33.3	U
11104-28-2	Aroclor-1221	ND	16.6	33.3	U
11141-16-5	Aroclor-1232	ND	16.6	33.3	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2402-BLK1	File ID:	G14793.D
Batch:	B5L2402	Prepared:	12/24/15 07:49	Analyzed:	12/28/15 12:48
Column:	1	Preparation:	EPA 3550B	Dilution:	
		Sequence:	S5L2801	Instrument:	GCECD_GHF

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
53469-21-9	Aroclor-1242	ND	16.6	33.3	U
12672-29-6	Aroclor-1248	ND	16.6	33.3	U
11097-69-1	Aroclor-1254	ND	16.6	33.3	U
11096-82-5	Aroclor-1260	ND	16.6	33.3	U
37324-23-5	Aroclor-1262	ND	16.6	33.3	U
11100-14-4	Aroclor-1268	ND	16.6	33.3	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	87.5%	30-150
Decachlorobiphenyl	87.2%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14793.D\ECD1A.CH Vial: 8
Signal #2 : D:\G\DATA\DEC15\G1228\G14793.D\ECD2B.CH
Acq On : 28 Dec 2015 12:48 Operator: JAM
Sample : B5L2402-BLK1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 13:27 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) AS Tetrachloro-m-xy	4.62	4.91	1543580	1770384	0.875	0.852
Spiked Amount 1.000	Range 30 - 150		Recovery =		87.50%	85.20%
22) AS Decachlorobiphen	16.31	17.62f	2294814	2272636	0.872	0.891
Spiked Amount 1.000	Range 30 - 150		Recovery =		87.20%	89.10%
Target Compounds						

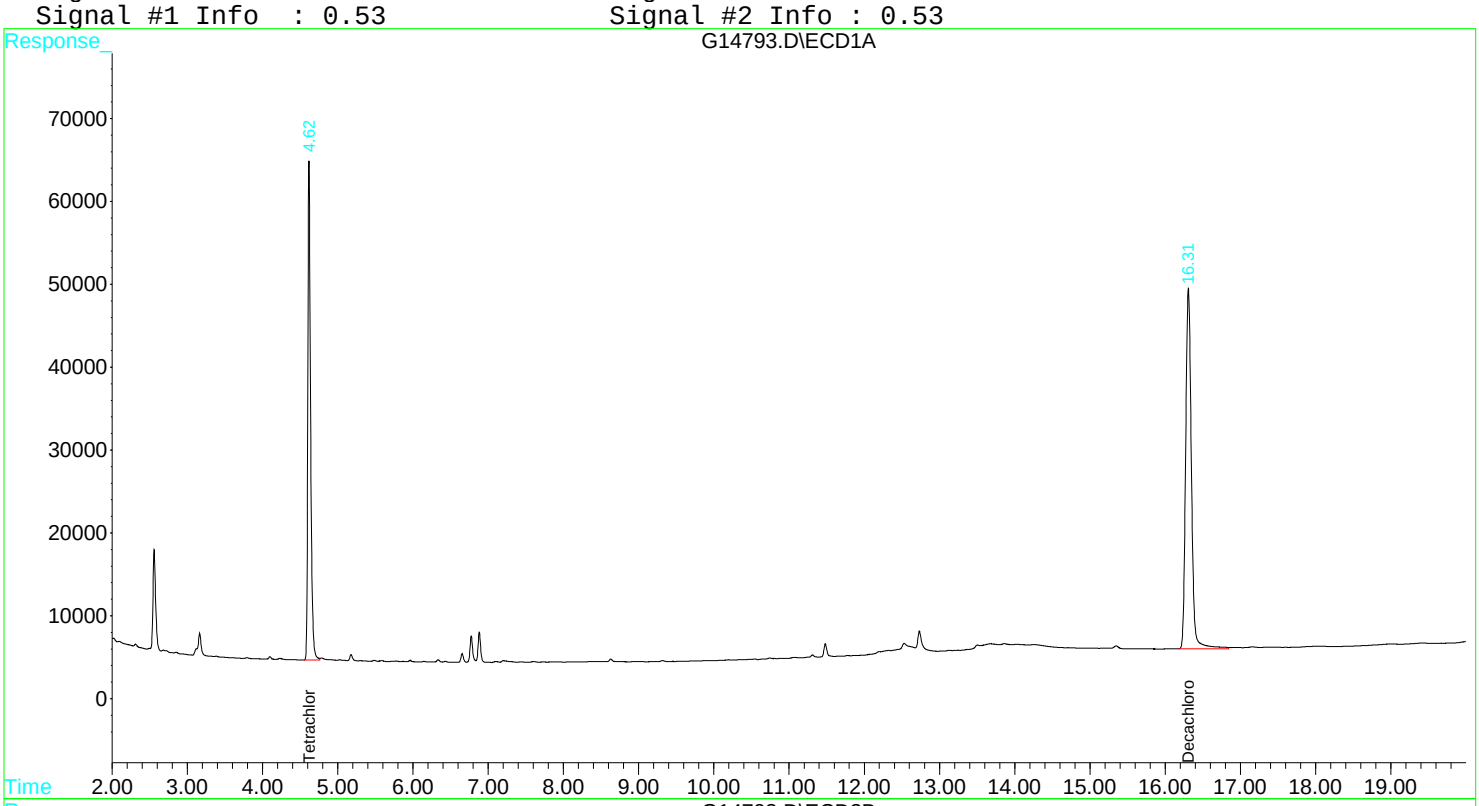
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

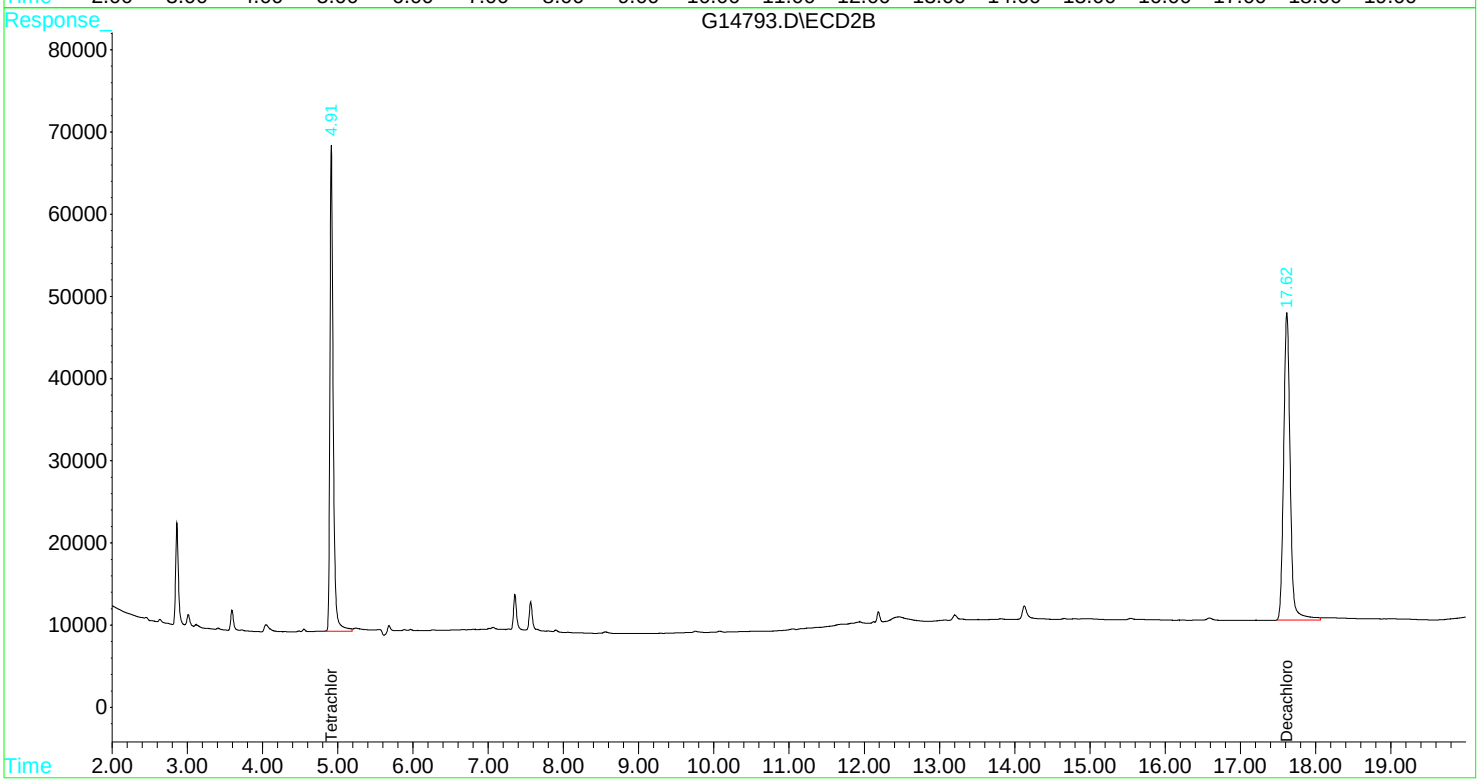
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14793.D\ECD1A.CH Vial: 8
Signal #2 : D:\G\DATA\DEC15\G1228\G14793.D\ECD2B.CH
Acq On : 28 Dec 2015 12:48 Operator: JAM
Sample : B5L2402-BLK1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 13:27 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2402-BLK1	File ID:	G14793.D
Batch:	B5L2402	Prepared:	12/24/15 07:49	Analyzed:	12/28/15 12:48
Column:	2	Preparation:	EPA 3550B	Dilution:	
		Sequence:	S5L2801	Instrument:	GCECD_GHF

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
319-84-6	alpha-BHC [2C]	ND	0.660	0.660	U
319-85-7	beta-BHC [2C]	ND	0.660	0.660	U
319-86-8	delta-BHC [2C]	ND	0.660	0.660	U
58-89-9	gamma-BHC [Lindane] [2C]	ND	0.660	0.660	U
76-44-8	Heptachlor [2C]	ND	0.660	0.660	U
309-00-2	Aldrin [2C]	ND	0.660	0.660	U
1024-57-3	Heptachlor Epoxide [2C]	ND	0.660	0.660	U
959-98-8	Endosulfan I [2C]	ND	0.660	0.660	U
60-57-1	Dieldrin [2C]	ND	1.33	1.33	U
72-55-9	4,4'-DDE [2C]	ND	1.33	1.33	U
72-20-8	Endrin [2C]	ND	1.33	1.33	U
33213-65-9	Endosulfan II [2C]	ND	1.33	1.33	U
72-54-8	4,4'-DDD [2C]	ND	1.33	1.33	U
1031-07-8	Endosulfan sulfate [2C]	ND	1.33	1.33	U
50-29-3	4,4'-DDT [2C]	ND	1.33	1.33	U
72-43-5	Methoxychlor [2C]	ND	2.00	6.66	U
53494-70-5	Endrin ketone [2C]	ND	1.33	1.33	U
7421-93-4	Endrin aldehyde [2C]	ND	1.33	1.33	U
5103-71-9	alpha-Chlordane [2C]	ND	0.660	0.660	U
5566-34-7	gamma-Chlordane [2C]	ND	0.660	0.660	U
8001-35-2	Toxaphene [2C]	ND	33.3	33.3	U
12674-11-2	Aroclor-1016 [2C]	ND	16.6	33.3	U
11104-28-2	Aroclor-1221 [2C]	ND	16.6	33.3	U
11141-16-5	Aroclor-1232 [2C]	ND	16.6	33.3	U

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ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2402-BLK1	File ID:	G14793.D
Batch:	B5L2402	Prepared:	12/24/15 07:49	Analyzed:	12/28/15 12:48
Column:	2	Preparation:	EPA 3550B	Dilution:	
		Sequence:	S5L2801	Instrument:	GCECD_GHF

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
53469-21-9	Aroclor-1242 [2C]	ND	16.6	33.3	U
12672-29-6	Aroclor-1248 [2C]	ND	16.6	33.3	U
11097-69-1	Aroclor-1254 [2C]	ND	16.6	33.3	U
11096-82-5	Aroclor-1260 [2C]	ND	16.6	33.3	U
37324-23-5	Aroclor-1262 [2C]	ND	16.6	33.3	U
11100-14-4	Aroclor-1268 [2C]	ND	16.6	33.3	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene [2C]	85.2%	30-150
Decachlorobiphenyl [2C]	89.1%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14793.D\ECD1A.CH Vial: 8
Signal #2 : D:\G\DATA\DEC15\G1228\G14793.D\ECD2B.CH
Acq On : 28 Dec 2015 12:48 Operator: JAM
Sample : B5L2402-BLK1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 13:27 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
System Monitoring Compounds						
1) AS Tetrachloro-m-xy	4.62	4.91	1543580	1770384	0.875	0.852
Spiked Amount 1.000	Range 30 - 150		Recovery =		87.50%	85.20%
22) AS Decachlorobiphen	16.31	17.62f	2294814	2272636	0.872	0.891
Spiked Amount 1.000	Range 30 - 150		Recovery =		87.20%	89.10%
Target Compounds						

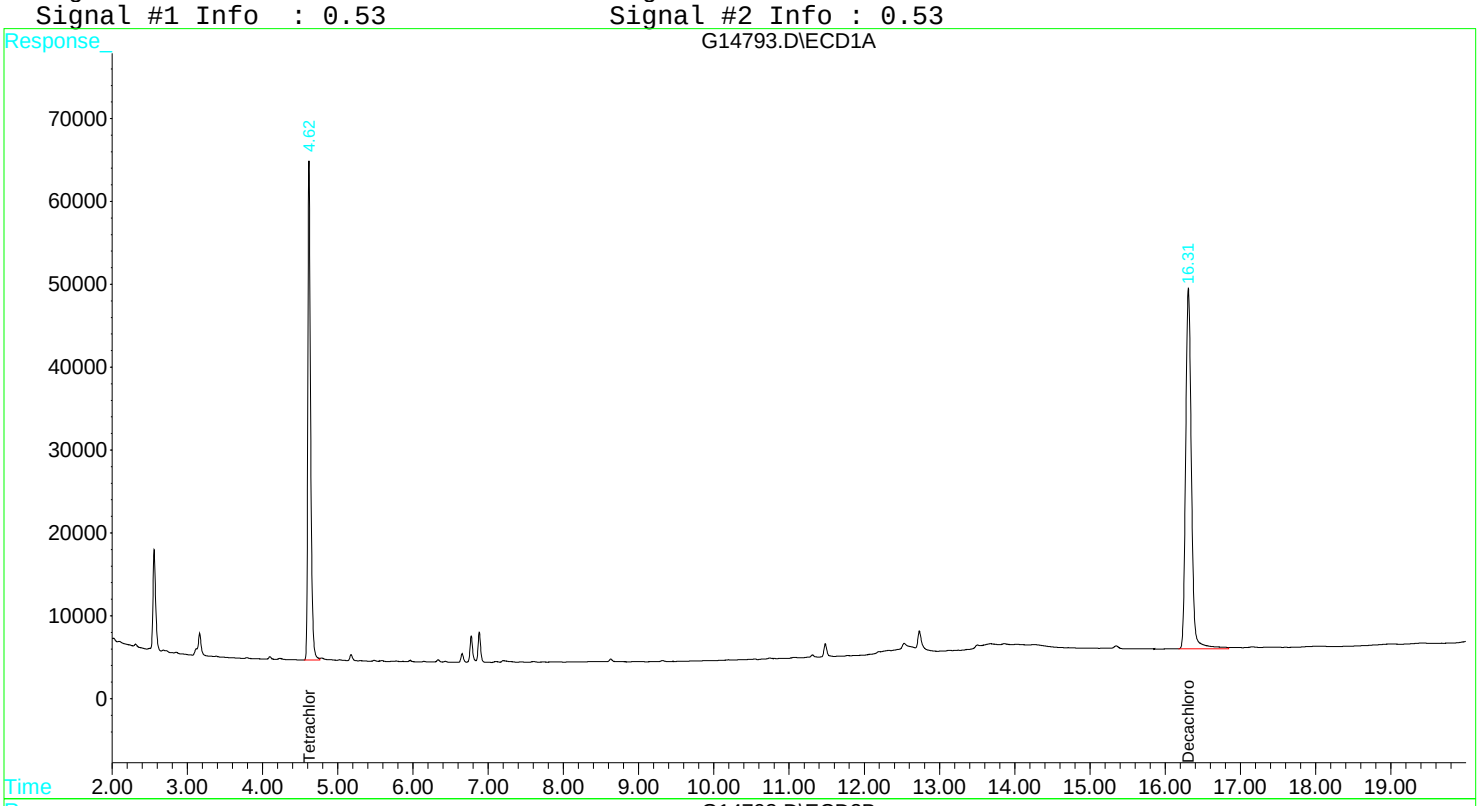
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

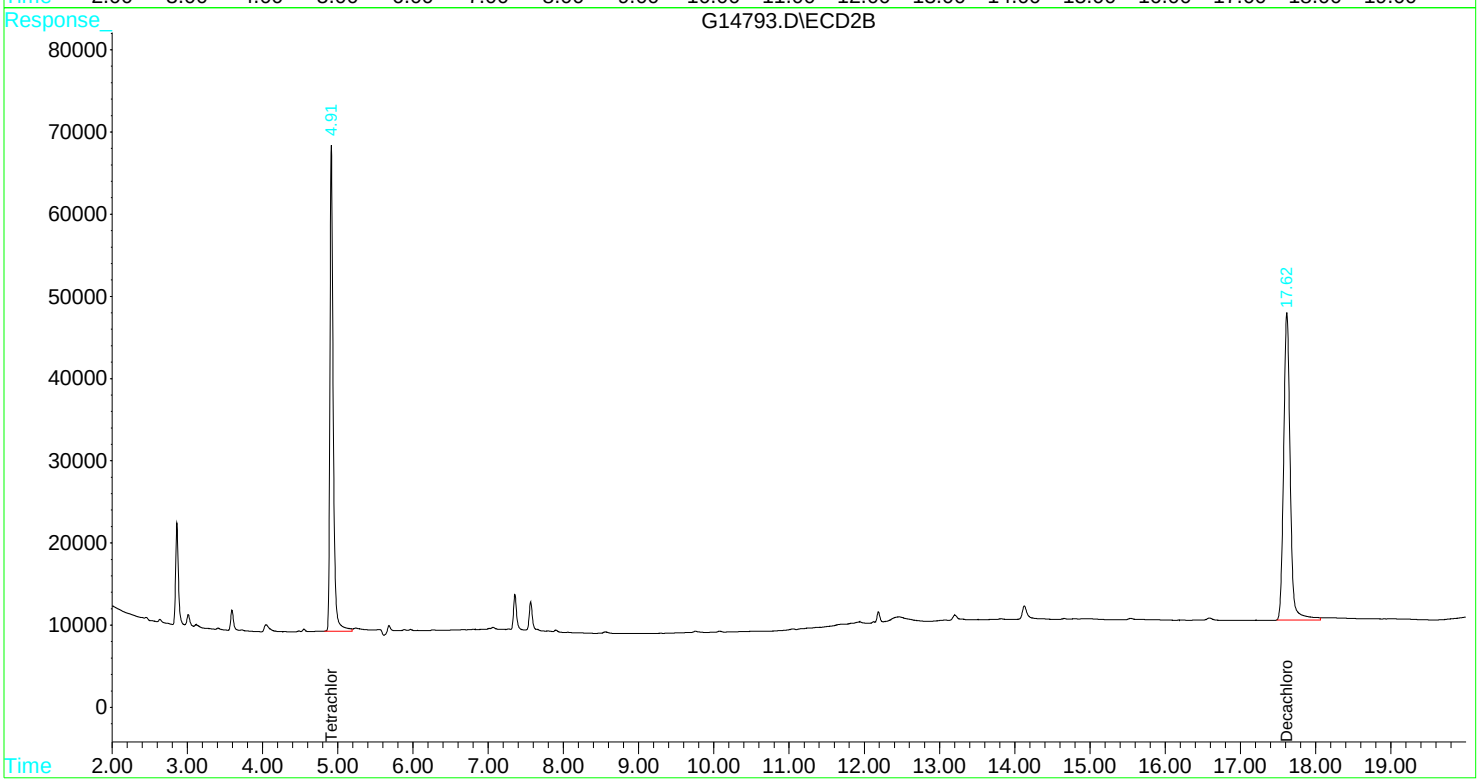
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14793.D\ECD1A.CH Vial: 8
Signal #2 : D:\G\DATA\DEC15\G1228\G14793.D\ECD2B.CH
Acq On : 28 Dec 2015 12:48 Operator: JAM
Sample : B5L2402-BLK1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 13:27 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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PEST/PCB QC SUMMARY

Accredited Analytical Resources, LLC.

SYSTEM MONITORING COMPOUND SUMMARY

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix: Solid
Instrument: GCECD_GHF

Lab Sample ID:	DCB (30% - 150%)	DCB[2C] (30% - 150%)	TCMX (30% - 150%)	TCMX[2C] (30% - 150%)
1502323-01	54.9	65.1	63.5	56.6
B5L2402-BLK1	87.2	89.1	87.5	85.2
B5L2402-BS1	94.9	95.9	77.3	75.1
B5L2402-BS2	85.8	90.9	85.5	76.6
B5L2402-MS1	61.6	68.5	71.4	67.7
B5L2402-MS2	53.4	82.1	53.8	47.5
B5L2402-MSD1	62.2	69.1	72.1	68.4
B5L2402-MSD2	50.3	78.9	50.8	42.2

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5L2402	Prep Method:	EPA 3550B
Percent Solids:	92.10	Laboratory ID:	B5L2402-MS1
Column:	1	Client Sample ID:	1502315-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.		QC LIMITS REC.
alpha-BHC	10.9	ND	9.08	83.7		30 - 150
beta-BHC	10.9	ND	9.77	90.0		30 - 150
delta-BHC	10.9	ND	10.1	92.7		30 - 150
gamma-BHC [Lindane]	10.9	ND	9.05	83.3		30 - 150
Heptachlor	10.9	ND	11.8	109		30 - 150
Aldrin	10.9	ND	15.0	138		30 - 150
Heptachlor Epoxide	10.9	ND	2320	21400	*	30 - 150
Endosulfan I	10.9	ND	7.02	64.7		30 - 150
Dieldrin	10.9	ND	8.72	80.3		30 - 150
4,4'-DDE	10.9	ND	9.70	89.3		30 - 150
Endrin	10.9	ND	19.9	183	*	30 - 150
Endosulfan II	10.9	ND	10.4	96.0		30 - 150
4,4'-DDD	10.9	ND	9.08	83.7		30 - 150
Endosulfan sulfate	10.9	ND	10.9	100		30 - 150
4,4'-DDT	10.9	ND	10.1	93.3		30 - 150
Methoxychlor	10.9	ND	11.3	104		30 - 150
Endrin ketone	10.9	ND	9.74	89.7		30 - 150
Endrin aldehyde	10.9	ND	10.2	94.3		30 - 150
alpha-Chlordane	10.9	1.92	12.2	95.0		30 - 150
gamma-Chlordane	10.9	2.39	10.4	73.3		30 - 150

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14801.D\ECD1A.CH Vial: 16
Signal #2 : D:\G\DATA\DEC15\G1228\G14801.D\ECD2B.CH
Acq On : 28 Dec 2015 16:41 Operator: JAM
Sample : B5L2402-MS1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:04 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.62	4.91	1258838	1406722	0.714	0.677
	Spiked Amount 1.000	Range 30 - 150		Recovery =		71.40%	67.70%
22) AS	Decachlorobiphen	16.32	17.63	1620284	1746776	0.616	0.685
	Spiked Amount 1.000	Range 30 - 150		Recovery =		61.60%	68.50%
	Target Compounds						
2) A	alpha-BHC	5.34	6.18	529290	570670	0.251	0.242
3) AM	gamma-BHC (Linda	5.93	6.90	516082	649182	0.250	0.279
4) AM	Heptachlor	7.24	7.75	707276	416806	0.327	0.249
5) BM	Aldrin	7.89	8.37	796054	718576	0.414m	0.363
6) B	beta-BHC	5.82	7.10	299328	361104	0.270	0.303
7) B	delta-BHC	6.35f	7.67	510080	548010	0.278m	0.300
8) B	Heptachlor Epoxi	8.67	9.46	125.5E6	747878	64.209	0.410 #
9) A	Endosulfan I	9.31	10.17	362972	535496	0.194	0.307 #
10) B	gamma-Chlordane	9.07	9.81	553230	574882	0.286	0.292m
11) B	alpha-Chlordane	9.35	10.07	654404	545544	0.338m	0.288
12) B	4,4'-DDE	9.70	10.40	476348	687166	0.268	0.389 #
13) AM	Dieldrin	9.79	10.67	448484	618214	0.241	0.361 #
14) AM	Endrin	10.19	11.21	828490	365822	0.550	0.298 #
15) B	Endosulfan II	10.37	11.60	470706	499958	0.288	0.332
16) A	4,4'-DDD	10.47	11.44	342566	318456	0.251	0.261
17) AM	4,4'-DDT	11.15	11.99	457680	405566	0.280m	0.272
18) B	Endrin Aldehyde	10.71	12.21	406918	359326	0.283	0.239m
19) B	Endosulfan Sulfa	11.15	12.71	473642	350482	0.301m	0.254
20) A	Methoxychlor	12.17	13.28	274626	220970	0.311	0.379
21) B	Endrin Ketone	12.01	13.78f	507390	419168	0.269	0.239

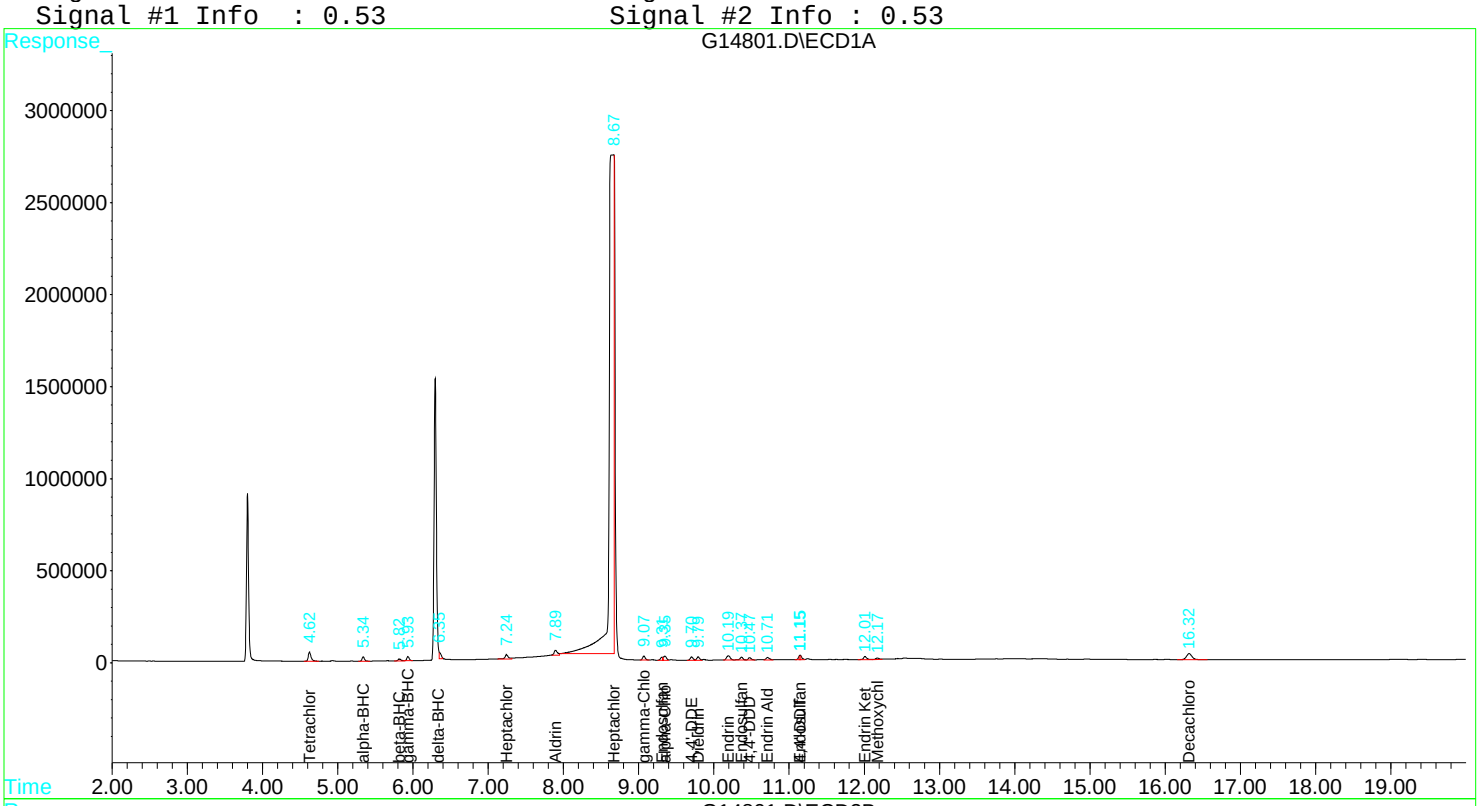
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

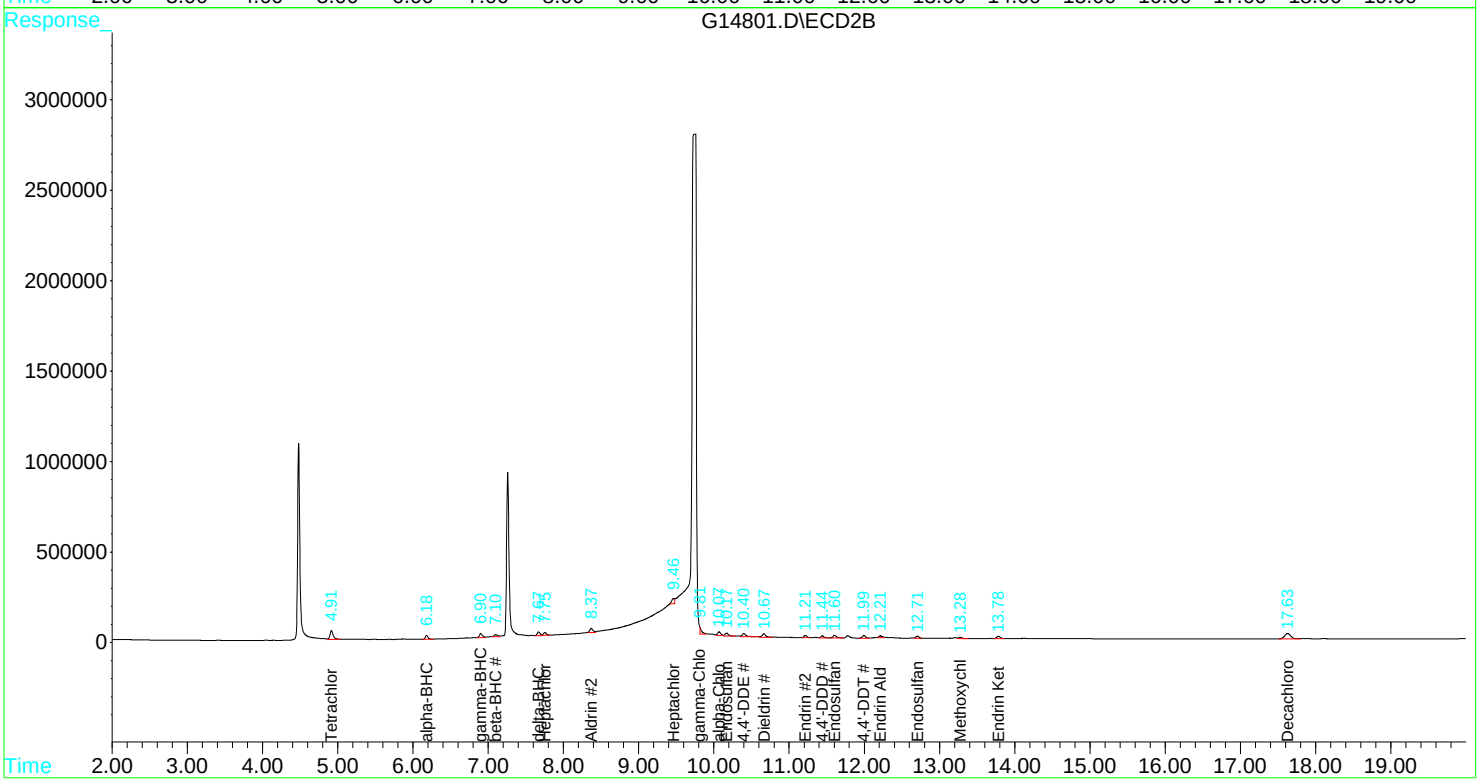
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14801.D\ECD1A.CH Vial: 16
Signal #2 : D:\G\DATA\DEC15\G1228\G14801.D\ECD2B.CH
Acq On : 28 Dec 2015 16:41 Operator: JAM
Sample : B5L2402-MS1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:04 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5L2402	Prep Method:	EPA 3550B
Percent Solids:	92.10	Laboratory ID:	B5L2402-MSD1
Column:	1	Client Sample ID:	1502315-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
alpha-BHC	10.9	9.16	84.3		0.794	30	30 - 150
beta-BHC	10.9	9.77	90.0		0.00	30	30 - 150
delta-BHC	10.9	10.9	100		7.94	30	30 - 150
gamma-BHC [Lindane]	10.9	9.12	84.0		0.797	30	30 - 150
Heptachlor	10.9	10.1	92.7		16.2	30	30 - 150
Aldrin	10.9	14.0	129		6.74	30	30 - 150
Heptachlor Epoxide	10.9	2350	21600	*	1.13	30	30 - 150
Endosulfan I	10.9	7.31	67.3		4.04	30	30 - 150
Dieldrin	10.9	8.90	82.0		2.05	30	30 - 150
4,4'-DDE	10.9	9.92	91.3		2.21	30	30 - 150
Endrin	10.9	20.5	189	*	2.87	30	30 - 150
Endosulfan II	10.9	10.7	98.3		2.40	30	30 - 150
4,4'-DDD	10.9	9.12	84.0		0.398	30	30 - 150
Endosulfan sulfate	10.9	10.5	97.0		3.38	30	30 - 150
4,4'-DDT	10.9	9.55	88.0		5.88	30	30 - 150
Methoxychlor	10.9	9.55	88.0		16.3	30	30 - 150
Endrin ketone	10.9	9.74	89.7		0.00	30	30 - 150
Endrin aldehyde	10.9	10.2	94.0		0.354	30	30 - 150
alpha-Chlordane	10.9	11.6	89.0		5.47	30	30 - 150
gamma-Chlordane	10.9	10.6	75.3		2.08	30	30 - 150

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14802.D\ECD1A.CH Vial: 17
Signal #2 : D:\G\DATA\DEC15\G1228\G14802.D\ECD2B.CH
Acq On : 28 Dec 2015 17:11 Operator: JAM
Sample : B5L2402-MSD1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:03 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.62	4.91	1271782	1420516	0.721	0.684
	Spiked Amount 1.000	Range 30 - 150		Recovery =		72.10%	68.40%
22) AS	Decachlorobiphen	16.32	17.63	1635334	1763976	0.622	0.691
	Spiked Amount 1.000	Range 30 - 150		Recovery =		62.20%	69.10%
	Target Compounds						
2) A	alpha-BHC	5.34	6.18	534286	574654	0.253	0.243
3) AM	gamma-BHC (Linda	5.93	6.90	520454	643262	0.252	0.276
4) AM	Heptachlor	7.24	7.75	602564	398924	0.278m	0.238
5) BM	Aldrin	7.89	8.37	744316	740916	0.387m	0.374
6) B	beta-BHC	5.82	7.10	299462	361406	0.270	0.303
7) B	delta-BHC	6.35f	7.67	551828	553728	0.301m	0.303
8) B	Heptachlor Epoxi	8.66	9.46	127.0E6	757512	64.936	0.416 #
9) A	Endosulfan I	9.31	10.17	378242	547222	0.202	0.314 #
10) B	gamma-Chlordane	9.07	9.81	564720	622074	0.292	0.316m
11) B	alpha-Chlordane	9.35	10.07	620866	559146	0.320m	0.296
12) B	4,4'-DDE	9.70	10.40	487800	702406	0.274	0.398 #
13) AM	Dieldrin	9.79	10.67	457890	640132	0.246	0.374 #
14) AM	Endrin	10.19	11.21	852364	377678	0.566	0.307 #
15) B	Endosulfan II	10.37	11.60	482070	456928	0.295	0.303
16) A	4,4'-DDD	10.47	11.44	343432	349836	0.252	0.287
17) AM	4,4'-DDT	11.15	11.99	430868	450388	0.264m	0.302
18) B	Endrin Aldehyde	10.71	12.21	405734	333144	0.282	0.221
19) B	Endosulfan Sulfa	11.15	12.70	458992	356190	0.291m	0.259
20) A	Methoxychlor	12.17	13.27	233444	218500	0.264	0.375 #
21) B	Endrin Ketone	12.01	13.78f	507216	433904	0.269	0.248

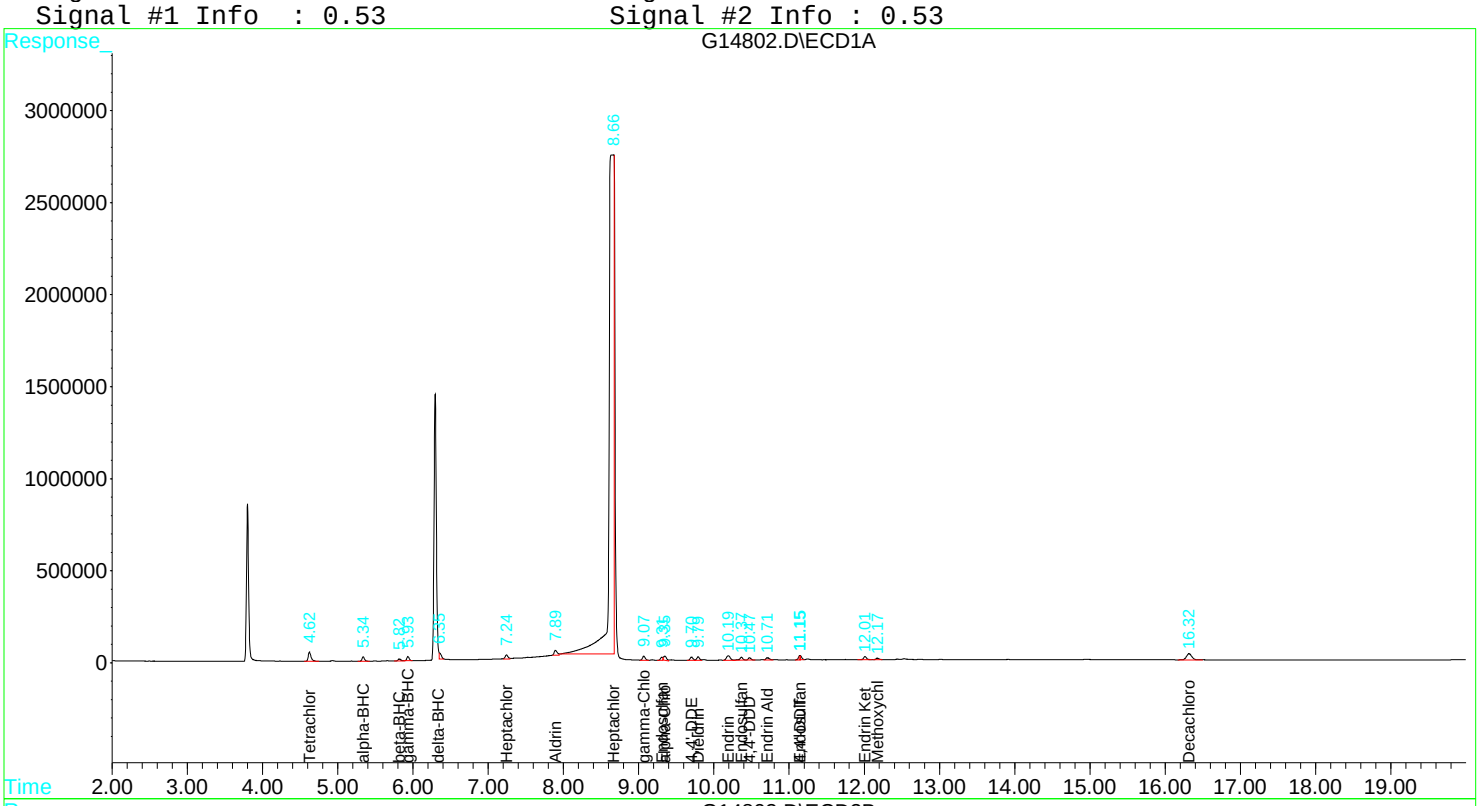
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

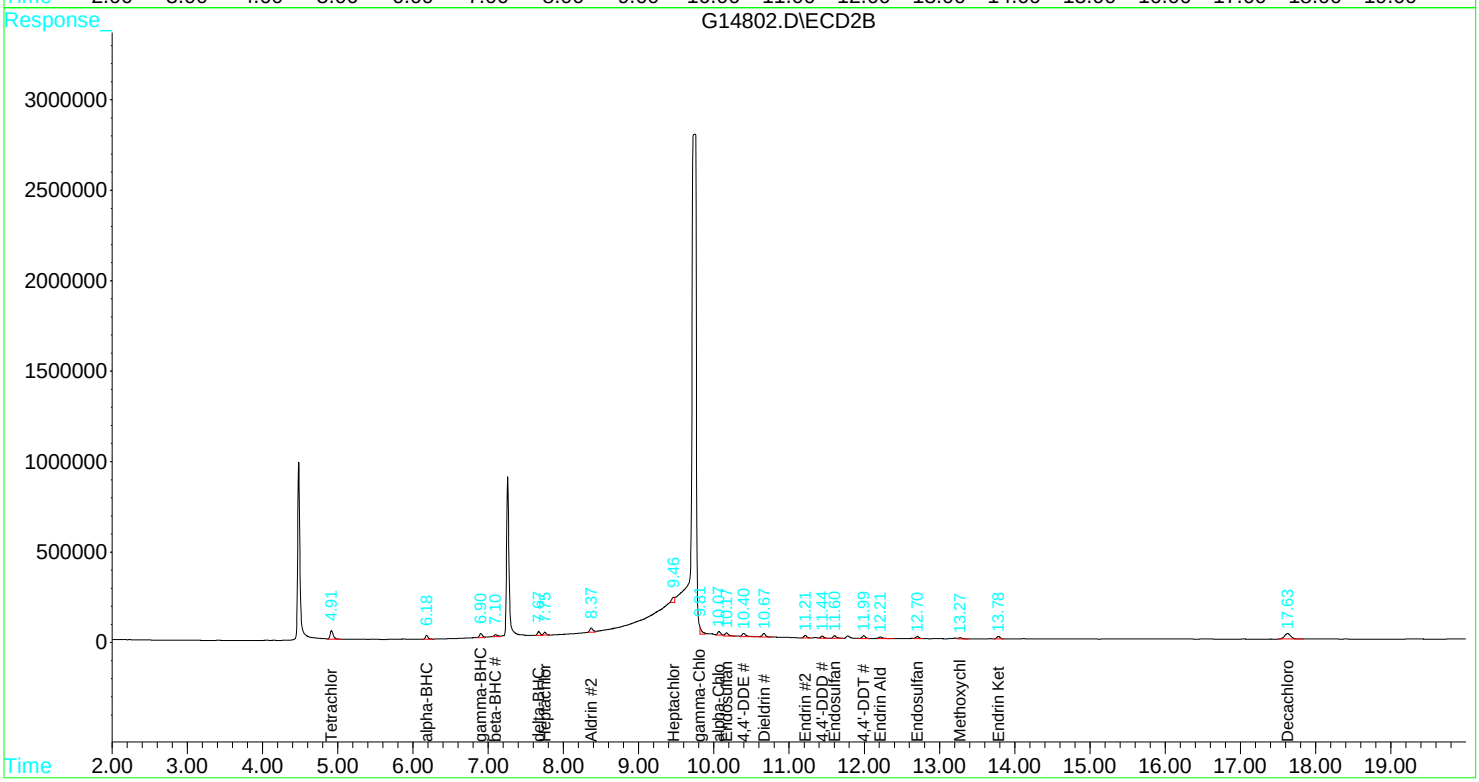
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14802.D\ECD1A.CH Vial: 17
Signal #2 : D:\G\DATA\DEC15\G1228\G14802.D\ECD2B.CH
Acq On : 28 Dec 2015 17:11 Operator: JAM
Sample : B5L2402-MSD1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:03 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5L2402	Prep Method:	EPA 3550B
Percent Solids:	90.10	Laboratory ID:	B5L2402-MS2
Column:	1	Client Sample ID:	1502315-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Aroclor-1016	370	ND	314	84.9	40 - 140
Aroclor-1016 (1)	370	0.00	370	99.9	40 - 140
Aroclor-1016 (2)	370	0.00	293	79.1	40 - 140
Aroclor-1016 (3)	370	0.00	280	75.7	40 - 140
Aroclor-1260	370	ND	444	120	40 - 140
Aroclor-1260 (1)	370	0.00	508	137	40 - 140
Aroclor-1260 (2)	370	0.00	516	139	40 - 140
Aroclor-1260 (3)	370	0.00	310	83.7	40 - 140

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14803.D\ECD1A.CH Vial: 18
Signal #2 : D:\G\DATA\DEC15\G1228\G14803.D\ECD2B.CH
Acq On : 28 Dec 2015 17:40 Operator: JAM
Sample : B5L2402-MS2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:42 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	AS TCMX	4.62	4.91f	102119	107666	0.538	0.475
	Spiked Amount 1.000			Recovery	=	53.80%	47.50%
29)	AS DCB	16.32f	17.62f	158765	234404	0.534m	0.821m#
	Spiked Amount 1.000			Recovery	=	53.40%	82.10%
	Target Compounds						
2)	L1 Aroclor-1016	6.43f	6.71	48422	55647	9.991	7.513
3)	L1 Aroclor-1016 {2}	6.93f	7.58f	110848	78339	7.907	5.771 #
4)	L1 Aroclor-1016 {3}	7.12f	7.83f	47719	38275	7.574m	5.995
20)	L7 Aroclor-1260	10.31f	11.35f	134047	157537	13.730	13.349
21)	L7 Aroclor-1260 {2}	11.24f	12.67f	198766	87054	13.935m	10.647m
22)	L7 Aroclor-1260 {3}	12.44f	13.94f	172703	129177	8.373	9.077m

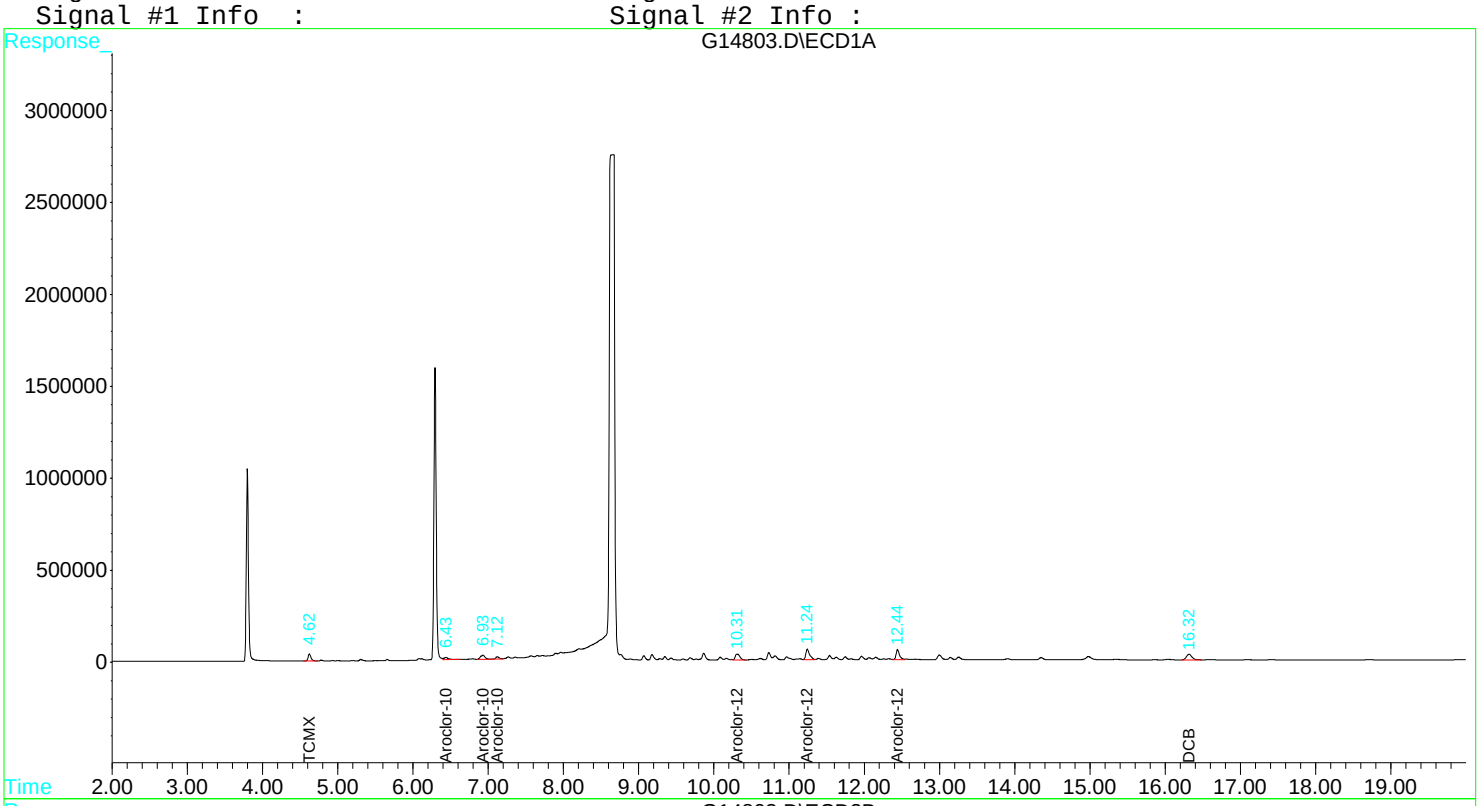
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

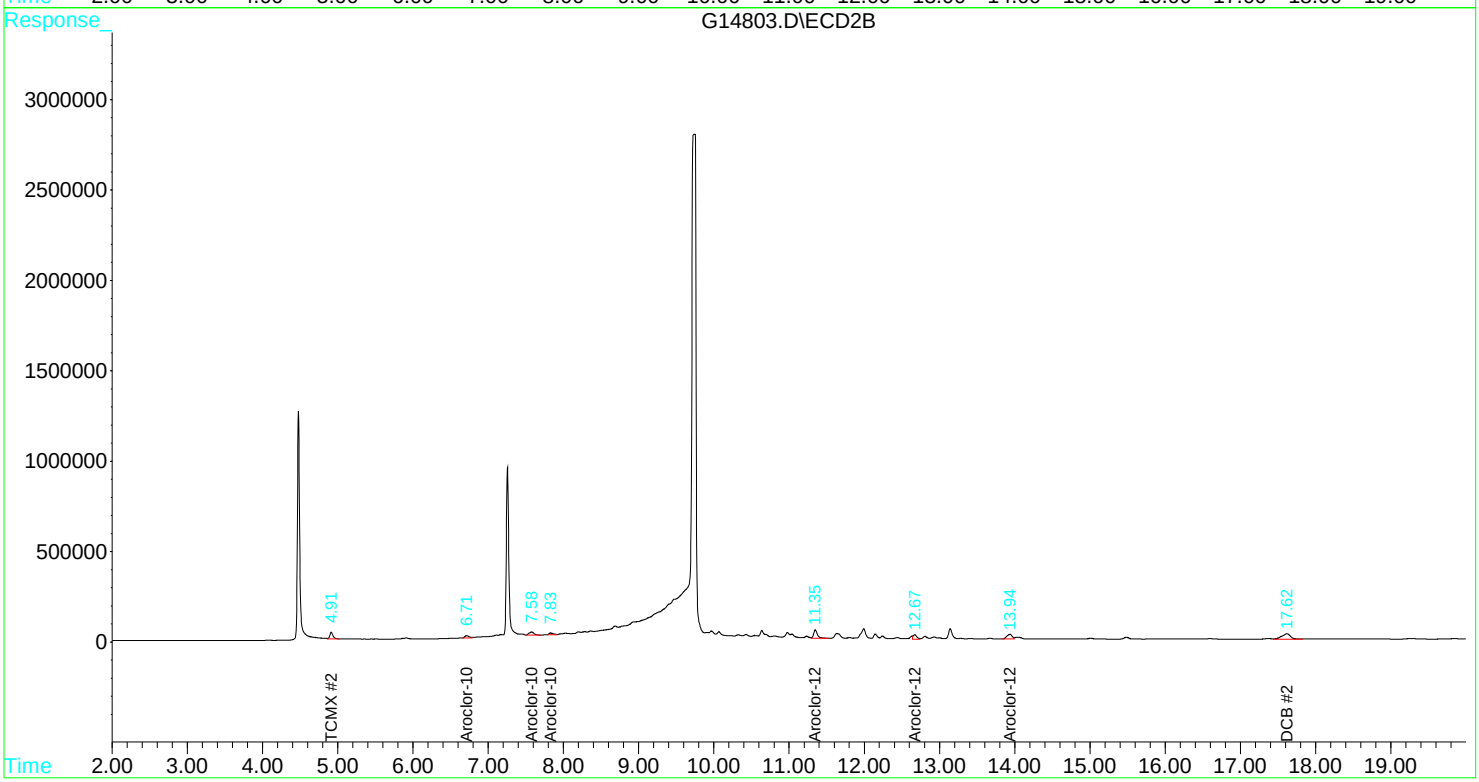
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14803.D\ECD1A.CH Vial: 18
Signal #2 : D:\G\DATA\DEC15\G1228\G14803.D\ECD2B.CH
Acq On : 28 Dec 2015 17:40 Operator: JAM
Sample : B5L2402-MS2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:42 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5L2402	Prep Method:	EPA 3550B
Percent Solids:	90.10	Laboratory ID:	B5L2402-MSD2
Column:	1	Client Sample ID:	1502315-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	370	299	80.9	4.82	30	40 - 140
Aroclor-1016 (1)	370	362	97.8	2.15	30	40 - 140
Aroclor-1016 (2)	370	262	70.9	10.9	30	40 - 140
Aroclor-1016 (3)	370	274	74.1	2.22	30	40 - 140
Aroclor-1260	370	438	118	1.50	30	40 - 140
Aroclor-1260 (1)	370	506	137	0.445	30	40 - 140
Aroclor-1260 (2)	370	481	130	6.89	30	40 - 140
Aroclor-1260 (3)	370	326	88.3	5.26	30	40 - 140

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14804.D\ECD1A.CH Vial: 19
Signal #2 : D:\G\DATA\DEC15\G1228\G14804.D\ECD2B.CH
Acq On : 28 Dec 2015 18:09 Operator: JAM
Sample : B5L2402-MSD2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:43 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	AS TCMX	4.62	4.91f	96355	95753	0.508	0.422
	Spiked Amount 1.000			Recovery =		50.80%	42.20%
29)	AS DCB	16.31f	17.62f	149412	225256	0.503m	0.789m#
	Spiked Amount 1.000			Recovery =		50.30%	78.90%
	Target Compounds						
2)	L1 Aroclor-1016	6.43f	6.71	47392	50697	9.778m	6.845 #
3)	L1 Aroclor-1016 {2}	6.93f	7.58f	99352	72459	7.087m	5.338
4)	L1 Aroclor-1016 {3}	7.12f	7.83f	46672	35303	7.408m	5.529 #
20)	L7 Aroclor-1260	10.31f	11.35f	133447	139939	13.669m	11.858
21)	L7 Aroclor-1260 {2}	11.24f	12.67f	185531	87348	13.007m	10.683
22)	L7 Aroclor-1260 {3}	12.44f	13.94f	182027	123560	8.825	8.682m

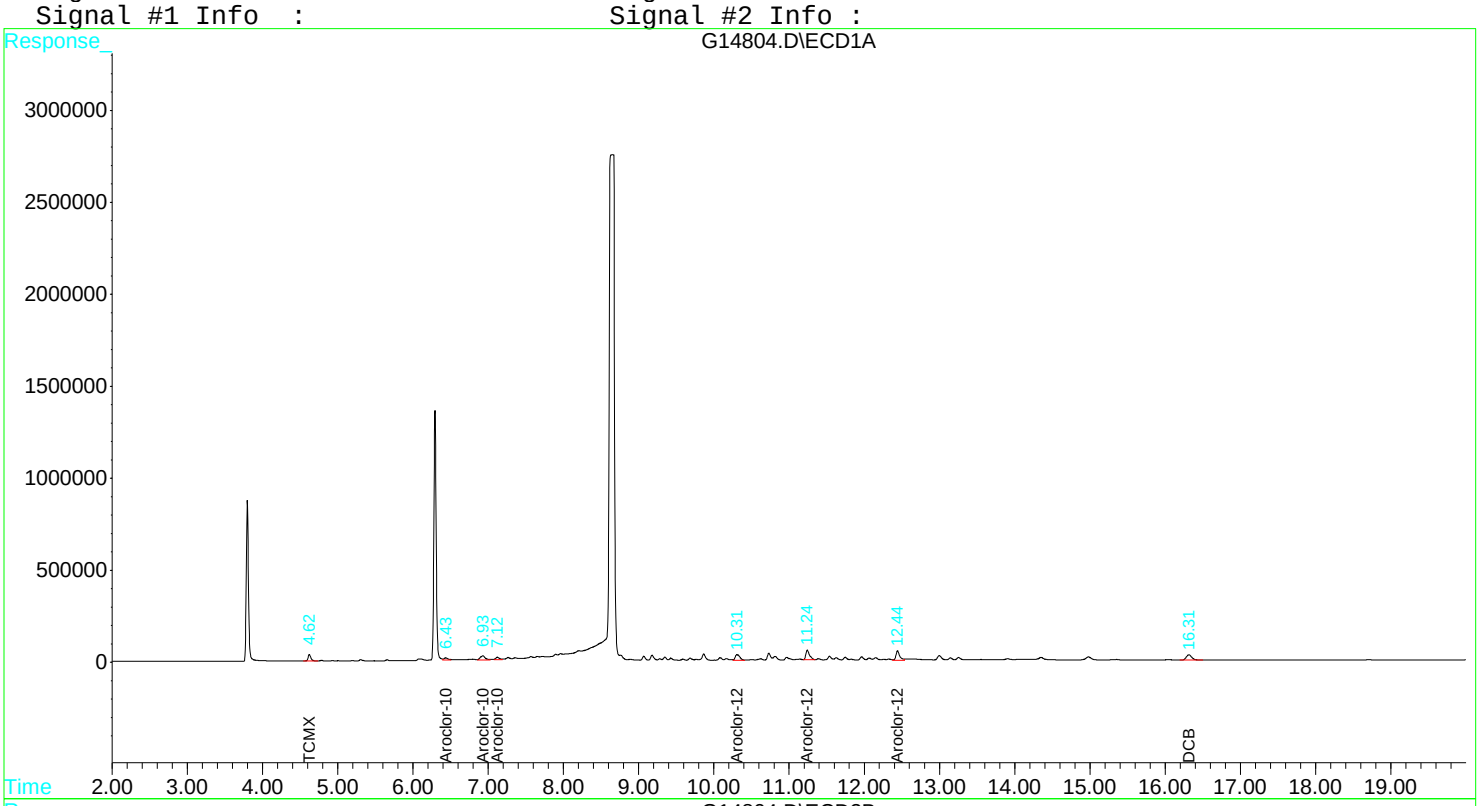
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

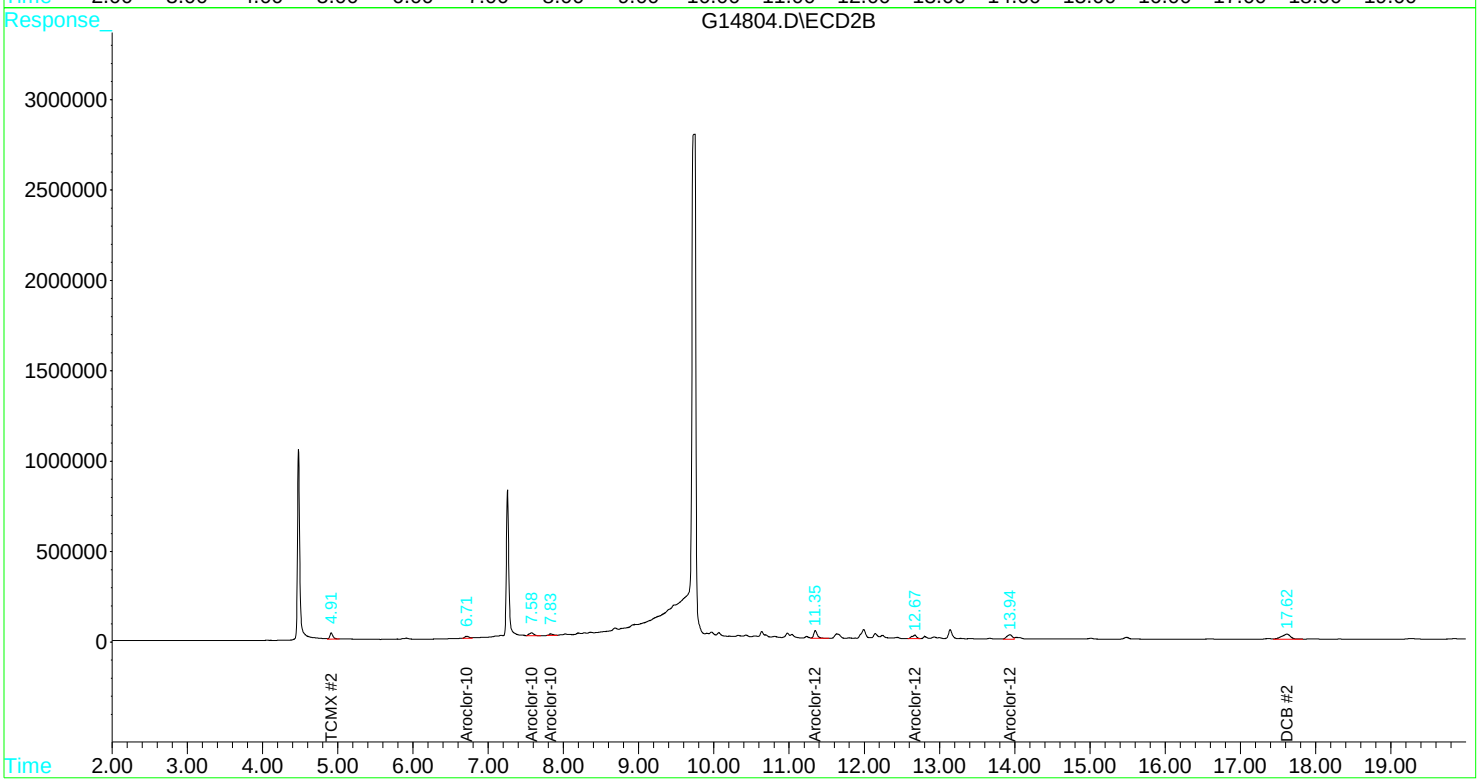
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14804.D\ECD1A.CH Vial: 19
Signal #2 : D:\G\DATA\DEC15\G1228\G14804.D\ECD2B.CH
Acq On : 28 Dec 2015 18:09 Operator: JAM
Sample : B5L2402-MSD2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:43 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5L2402	Prep Method:	EPA 3550B
Percent Solids:	92.10	Laboratory ID:	B5L2402-MS1
Column:	2	Client Sample ID:	1502315-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
alpha-BHC [2C]	10.9	ND	8.76	80.7	30 - 150
beta-BHC [2C]	10.9	ND	11.0	101	30 - 150
delta-BHC [2C]	10.9	ND	10.9	100	30 - 150
gamma-BHC [Lindane] [2C]	10.9	ND	10.1	93.0	30 - 150
Heptachlor [2C]	10.9	ND	9.01	83.0	30 - 150
Aldrin [2C]	10.9	ND	13.1	121	30 - 150
Heptachlor Epoxide [2C]	10.9	ND	14.8	137	30 - 150
Endosulfan I [2C]	10.9	ND	11.1	102	30 - 150
Dieldrin [2C]	10.9	ND	13.1	120	30 - 150
4,4'-DDE [2C]	10.9	ND	14.1	130	30 - 150
Endrin [2C]	10.9	ND	10.8	99.3	30 - 150
Endosulfan II [2C]	10.9	ND	12.0	111	30 - 150
4,4'-DDD [2C]	10.9	ND	9.45	87.0	30 - 150
Endosulfan sulfate [2C]	10.9	ND	9.19	84.7	30 - 150
4,4'-DDT [2C]	10.9	ND	9.84	90.7	30 - 150
Methoxychlor [2C]	10.9	ND	13.7	126	30 - 150
Endrin ketone [2C]	10.9	ND	8.65	79.7	30 - 150
Endrin aldehyde [2C]	10.9	ND	8.65	79.7	30 - 150
alpha-Chlordane [2C]	10.9	2.39	10.4	74.0	30 - 150
gamma-Chlordane [2C]	10.9	2.79	10.6	71.7	30 - 150

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14801.D\ECD1A.CH Vial: 16
Signal #2 : D:\G\DATA\DEC15\G1228\G14801.D\ECD2B.CH
Acq On : 28 Dec 2015 16:41 Operator: JAM
Sample : B5L2402-MS1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:04 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.62	4.91	1258838	1406722	0.714	0.677
	Spiked Amount 1.000	Range 30 - 150		Recovery =		71.40%	67.70%
22) AS	Decachlorobiphen	16.32	17.63	1620284	1746776	0.616	0.685
	Spiked Amount 1.000	Range 30 - 150		Recovery =		61.60%	68.50%
	Target Compounds						
2) A	alpha-BHC	5.34	6.18	529290	570670	0.251	0.242
3) AM	gamma-BHC (Linda	5.93	6.90	516082	649182	0.250	0.279
4) AM	Heptachlor	7.24	7.75	707276	416806	0.327	0.249
5) BM	Aldrin	7.89	8.37	796054	718576	0.414m	0.363
6) B	beta-BHC	5.82	7.10	299328	361104	0.270	0.303
7) B	delta-BHC	6.35f	7.67	510080	548010	0.278m	0.300
8) B	Heptachlor Epoxi	8.67	9.46	125.5E6	747878	64.209	0.410 #
9) A	Endosulfan I	9.31	10.17	362972	535496	0.194	0.307 #
10) B	gamma-Chlordane	9.07	9.81	553230	574882	0.286	0.292m
11) B	alpha-Chlordane	9.35	10.07	654404	545544	0.338m	0.288
12) B	4,4'-DDE	9.70	10.40	476348	687166	0.268	0.389 #
13) AM	Dieldrin	9.79	10.67	448484	618214	0.241	0.361 #
14) AM	Endrin	10.19	11.21	828490	365822	0.550	0.298 #
15) B	Endosulfan II	10.37	11.60	470706	499958	0.288	0.332
16) A	4,4'-DDD	10.47	11.44	342566	318456	0.251	0.261
17) AM	4,4'-DDT	11.15	11.99	457680	405566	0.280m	0.272
18) B	Endrin Aldehyde	10.71	12.21	406918	359326	0.283	0.239m
19) B	Endosulfan Sulfa	11.15	12.71	473642	350482	0.301m	0.254
20) A	Methoxychlor	12.17	13.28	274626	220970	0.311	0.379
21) B	Endrin Ketone	12.01	13.78f	507390	419168	0.269	0.239

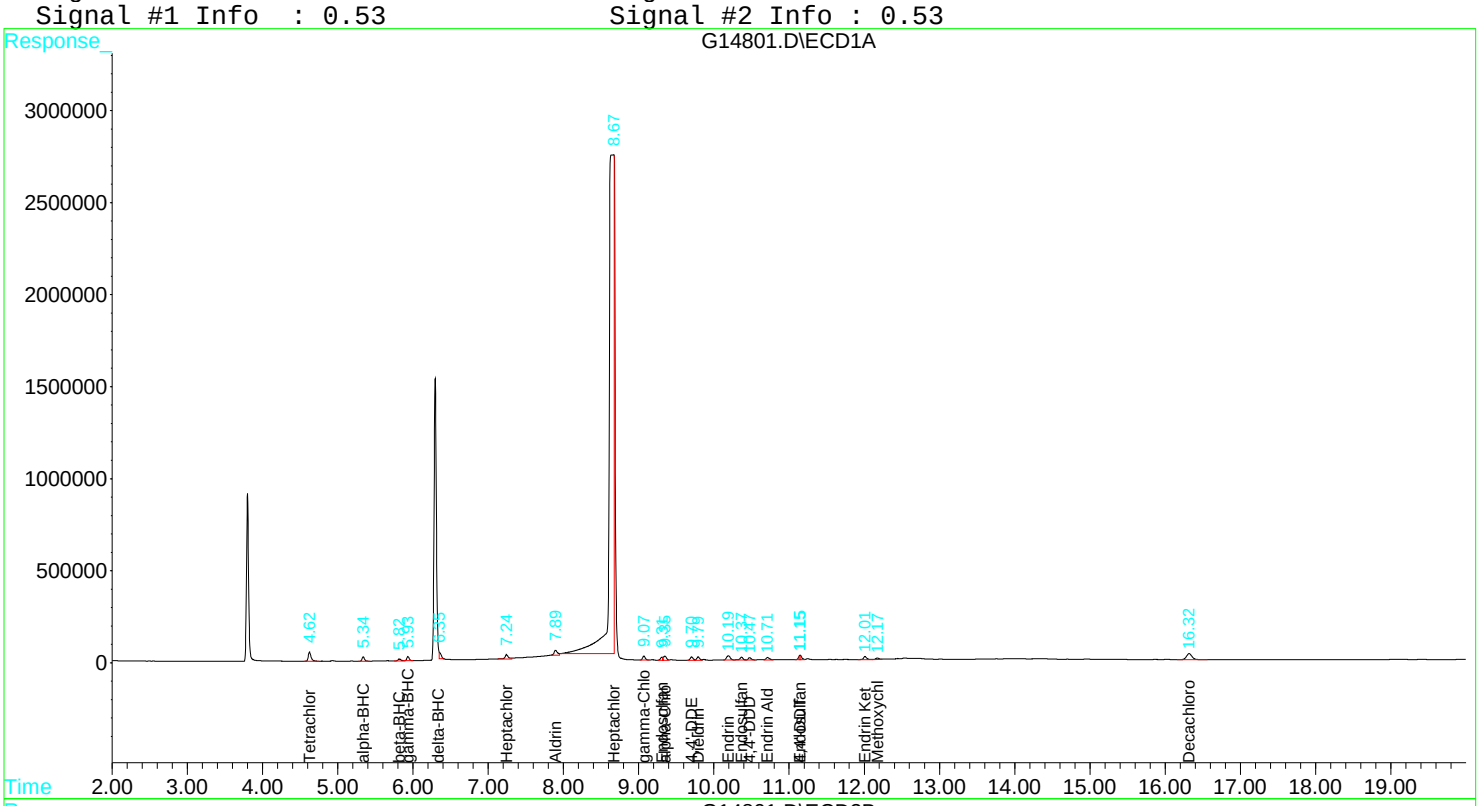
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

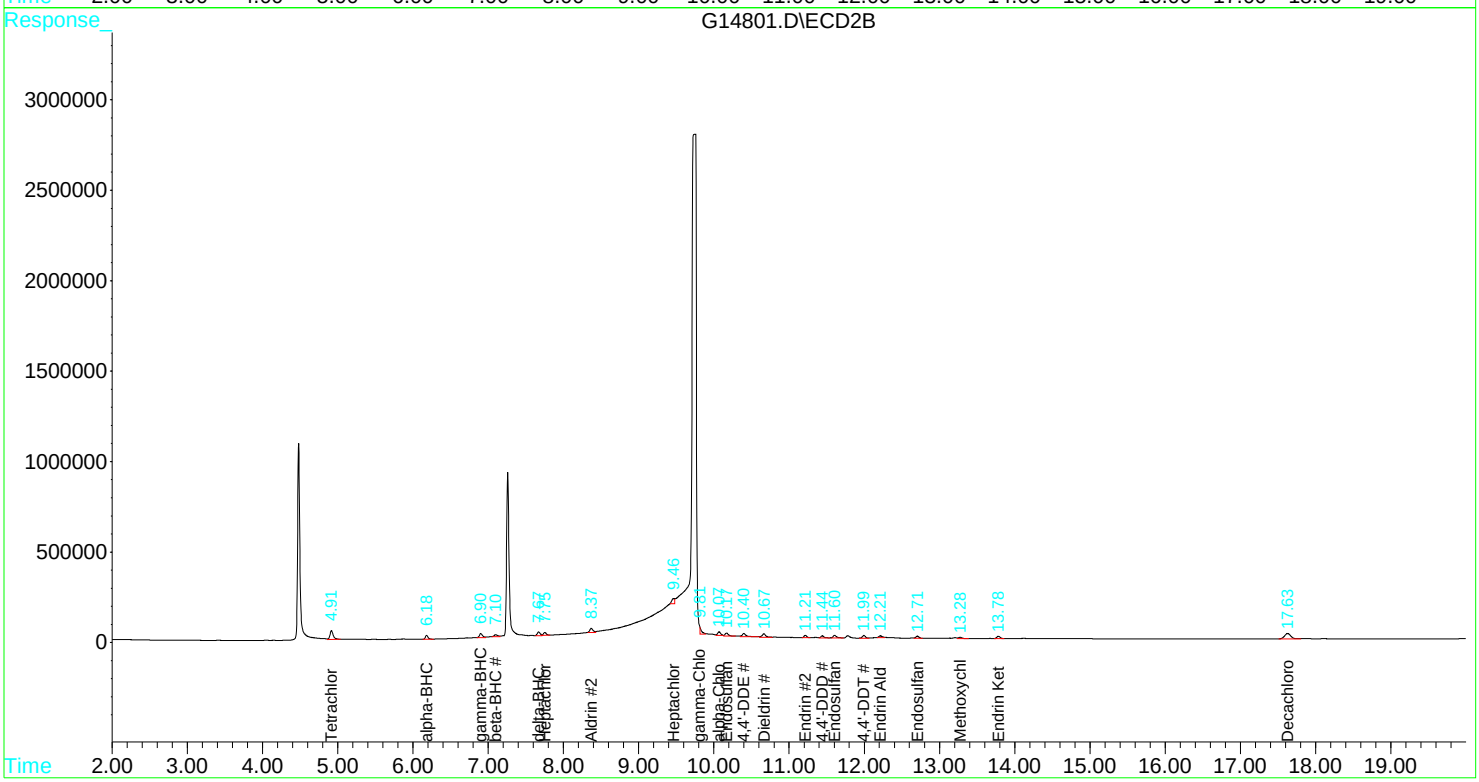
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14801.D\ECD1A.CH Vial: 16
Signal #2 : D:\G\DATA\DEC15\G1228\G14801.D\ECD2B.CH
Acq On : 28 Dec 2015 16:41 Operator: JAM
Sample : B5L2402-MS1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:04 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5L2402	Prep Method:	EPA 3550B
Percent Solids:	92.10	Laboratory ID:	B5L2402-MSD1
Column:	2	Client Sample ID:	1502315-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
alpha-BHC [2C]	10.9	8.79	81.0	0.412	30	30 - 150
beta-BHC [2C]	10.9	11.0	101	0.00	30	30 - 150
delta-BHC [2C]	10.9	11.0	101	0.995	30	30 - 150
gamma-BHC [Lindane] [2C]	10.9	9.99	92.0	1.08	30	30 - 150
Heptachlor [2C]	10.9	8.61	79.3	4.52	30	30 - 150
Aldrin [2C]	10.9	13.5	125	2.99	30	30 - 150
Heptachlor Epoxide [2C]	10.9	15.1	139	1.45	30	30 - 150
Endosulfan I [2C]	10.9	11.4	105	2.25	30	30 - 150
Dieldrin [2C]	10.9	13.5	125	3.54	30	30 - 150
4,4'-DDE [2C]	10.9	14.4	133	2.29	30	30 - 150
Endrin [2C]	10.9	11.1	102	2.98	30	30 - 150
Endosulfan II [2C]	10.9	11.0	101	9.13	30	30 - 150
4,4'-DDD [2C]	10.9	10.4	95.7	9.49	30	30 - 150
Endosulfan sulfate [2C]	10.9	9.37	86.3	1.95	30	30 - 150
4,4'-DDT [2C]	10.9	10.9	101	10.5	30	30 - 150
Methoxychlor [2C]	10.9	13.6	125	1.06	30	30 - 150
Endrin ketone [2C]	10.9	8.98	82.7	3.70	30	30 - 150
Endrin aldehyde [2C]	10.9	8.00	73.7	7.83	30	30 - 150
alpha-Chlordane [2C]	10.9	10.7	76.7	2.74	30	30 - 150
gamma-Chlordane [2C]	10.9	11.4	79.7	7.89	30	30 - 150

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14802.D\ECD1A.CH Vial: 17
Signal #2 : D:\G\DATA\DEC15\G1228\G14802.D\ECD2B.CH
Acq On : 28 Dec 2015 17:11 Operator: JAM
Sample : B5L2402-MSD1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:03 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.62	4.91	1271782	1420516	0.721	0.684
	Spiked Amount 1.000	Range 30 - 150		Recovery =		72.10%	68.40%
22) AS	Decachlorobiphen	16.32	17.63	1635334	1763976	0.622	0.691
	Spiked Amount 1.000	Range 30 - 150		Recovery =		62.20%	69.10%
	Target Compounds						
2) A	alpha-BHC	5.34	6.18	534286	574654	0.253	0.243
3) AM	gamma-BHC (Linda	5.93	6.90	520454	643262	0.252	0.276
4) AM	Heptachlor	7.24	7.75	602564	398924	0.278m	0.238
5) BM	Aldrin	7.89	8.37	744316	740916	0.387m	0.374
6) B	beta-BHC	5.82	7.10	299462	361406	0.270	0.303
7) B	delta-BHC	6.35f	7.67	551828	553728	0.301m	0.303
8) B	Heptachlor Epoxi	8.66	9.46	127.0E6	757512	64.936	0.416 #
9) A	Endosulfan I	9.31	10.17	378242	547222	0.202	0.314 #
10) B	gamma-Chlordane	9.07	9.81	564720	622074	0.292	0.316m
11) B	alpha-Chlordane	9.35	10.07	620866	559146	0.320m	0.296
12) B	4,4'-DDE	9.70	10.40	487800	702406	0.274	0.398 #
13) AM	Dieldrin	9.79	10.67	457890	640132	0.246	0.374 #
14) AM	Endrin	10.19	11.21	852364	377678	0.566	0.307 #
15) B	Endosulfan II	10.37	11.60	482070	456928	0.295	0.303
16) A	4,4'-DDD	10.47	11.44	343432	349836	0.252	0.287
17) AM	4,4'-DDT	11.15	11.99	430868	450388	0.264m	0.302
18) B	Endrin Aldehyde	10.71	12.21	405734	333144	0.282	0.221
19) B	Endosulfan Sulfa	11.15	12.70	458992	356190	0.291m	0.259
20) A	Methoxychlor	12.17	13.27	233444	218500	0.264	0.375 #
21) B	Endrin Ketone	12.01	13.78f	507216	433904	0.269	0.248

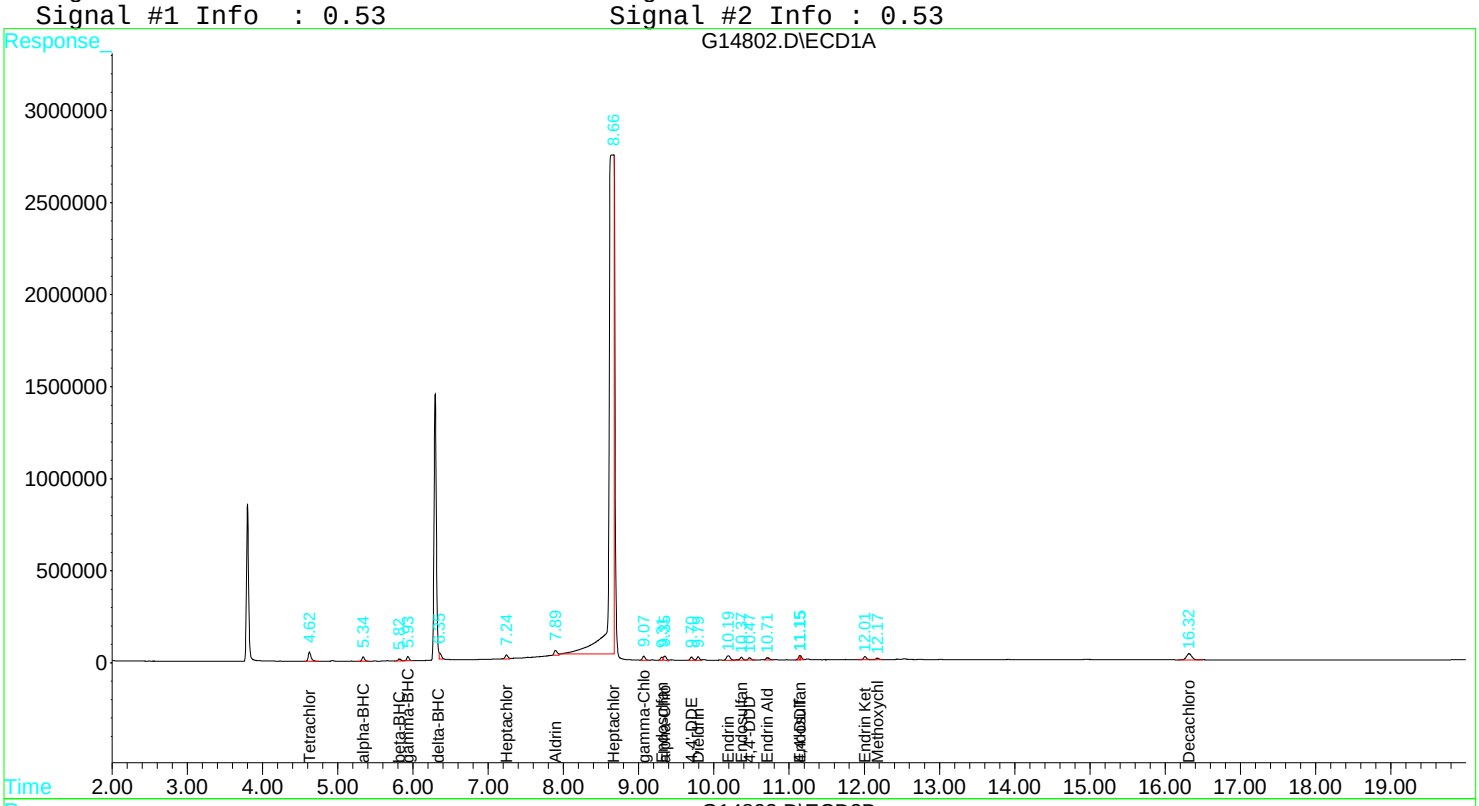
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

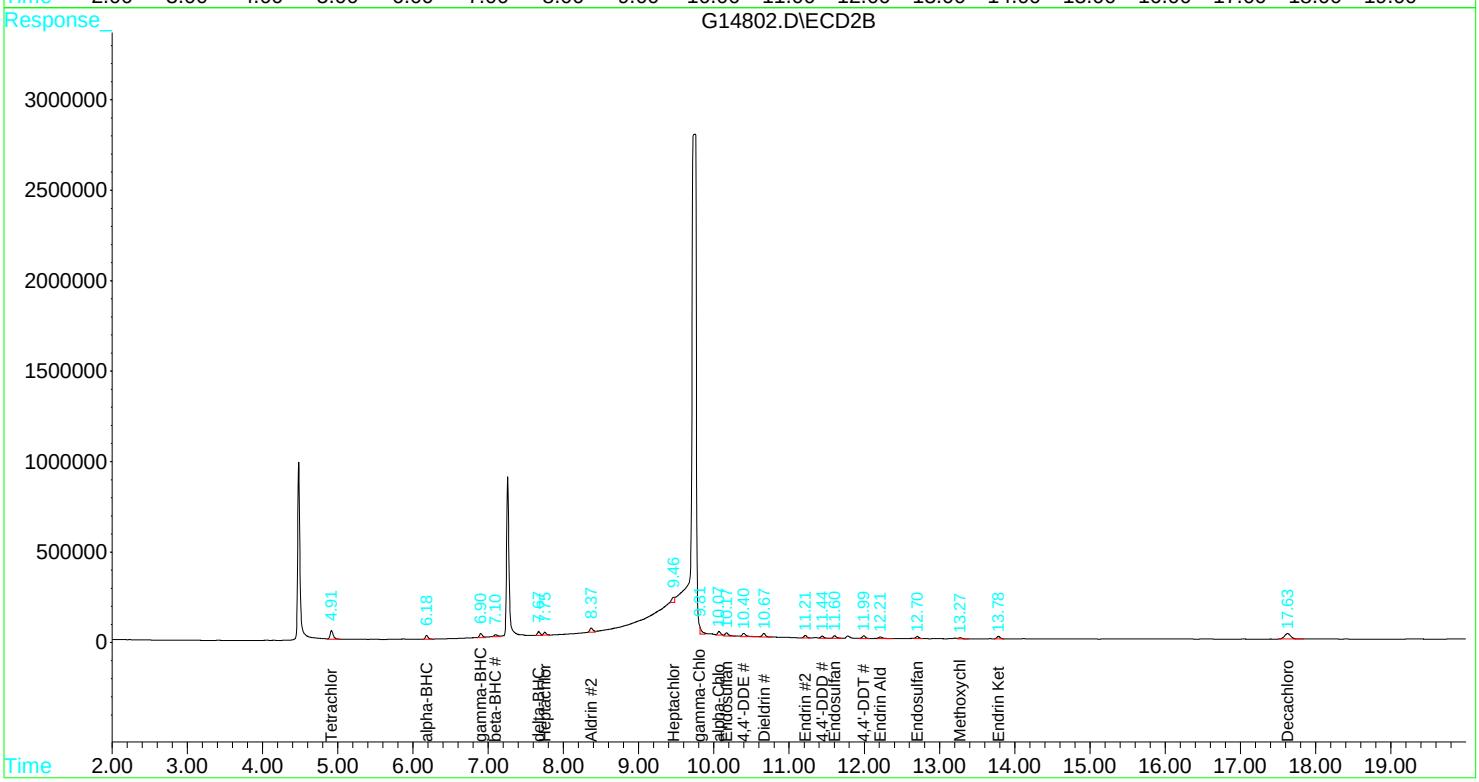
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14802.D\ECD1A.CH Vial: 17
Signal #2 : D:\G\DATA\DEC15\G1228\G14802.D\ECD2B.CH
Acq On : 28 Dec 2015 17:11 Operator: JAM
Sample : B5L2402-MSD1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:03 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5L2402	Prep Method:	EPA 3550B
Percent Solids:	90.10	Laboratory ID:	B5L2402-MS2
Column:	2	Client Sample ID:	1502315-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Aroclor-1016 [2C]	370	ND	238	64.3	40 - 140
Aroclor-1016 (1) [2C]	370	0.00	278	75.1	40 - 140
Aroclor-1016 (2) [2C]	370	0.00	214	57.7	40 - 140
Aroclor-1016 (3) [2C]	370	0.00	222	60.0	40 - 140
Aroclor-1260 [2C]	370	ND	408	110	40 - 140
Aroclor-1260 (1) [2C]	370	0.00	494	133	40 - 140
Aroclor-1260 (2) [2C]	370	0.00	394	106	40 - 140
Aroclor-1260 (3) [2C]	370	0.00	336	90.8	40 - 140

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14803.D\ECD1A.CH Vial: 18
Signal #2 : D:\G\DATA\DEC15\G1228\G14803.D\ECD2B.CH
Acq On : 28 Dec 2015 17:40 Operator: JAM
Sample : B5L2402-MS2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:42 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

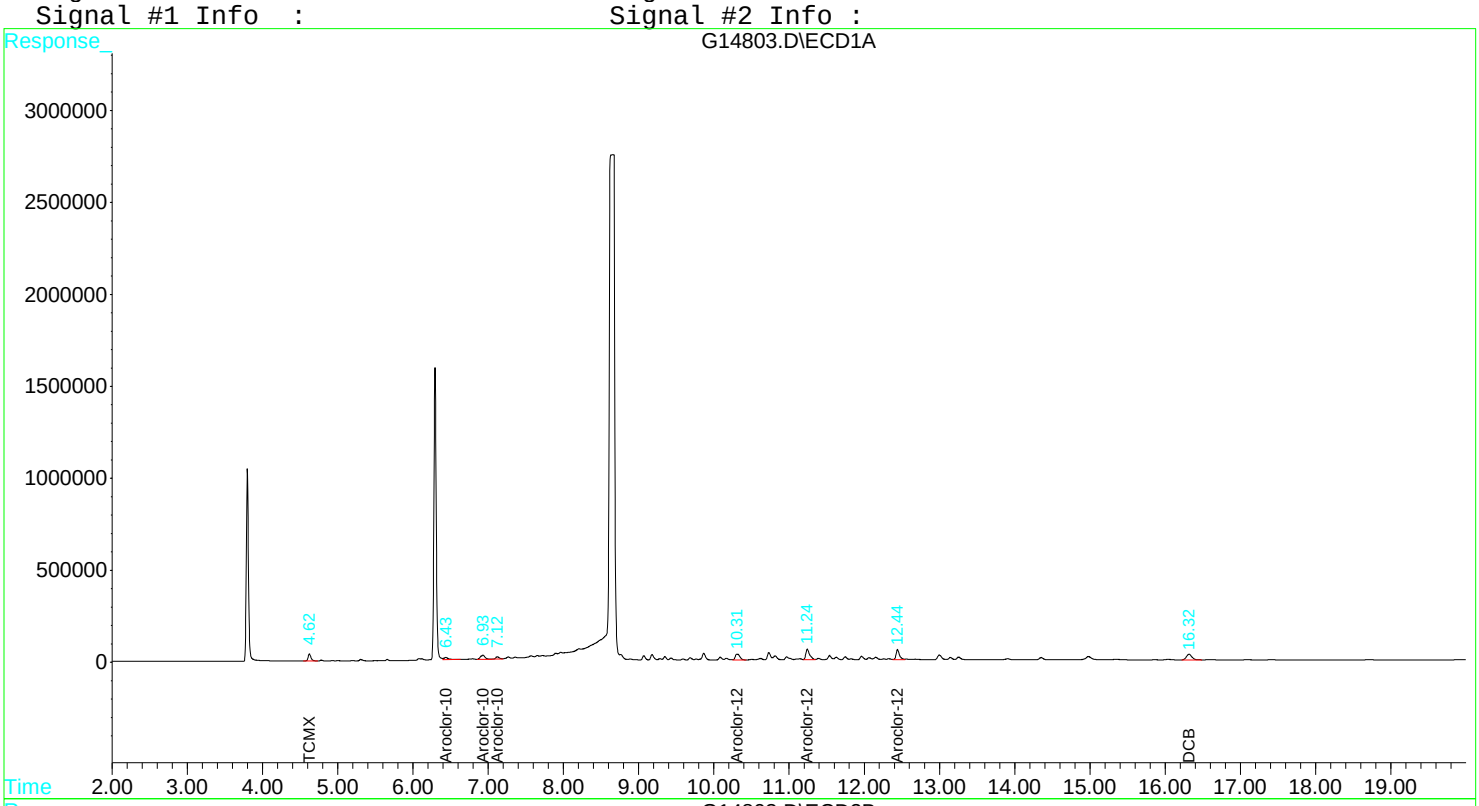
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	TCMX	4.62	4.91f	102119	107666	0.538	0.475
	Spiked Amount 1.000			Recovery =		53.80%	47.50%
29) AS	DCB	16.32f	17.62f	158765	234404	0.534m	0.821m#
	Spiked Amount 1.000			Recovery =		53.40%	82.10%
	Target Compounds						
2) L1	Aroclor-1016	6.43f	6.71	48422	55647	9.991	7.513
3) L1	Aroclor-1016 {2}	6.93f	7.58f	110848	78339	7.907	5.771 #
4) L1	Aroclor-1016 {3}	7.12f	7.83f	47719	38275	7.574m	5.995
20) L7	Aroclor-1260	10.31f	11.35f	134047	157537	13.730	13.349
21) L7	Aroclor-1260 {2}	11.24f	12.67f	198766	87054	13.935m	10.647m
22) L7	Aroclor-1260 {3}	12.44f	13.94f	172703	129177	8.373	9.077m

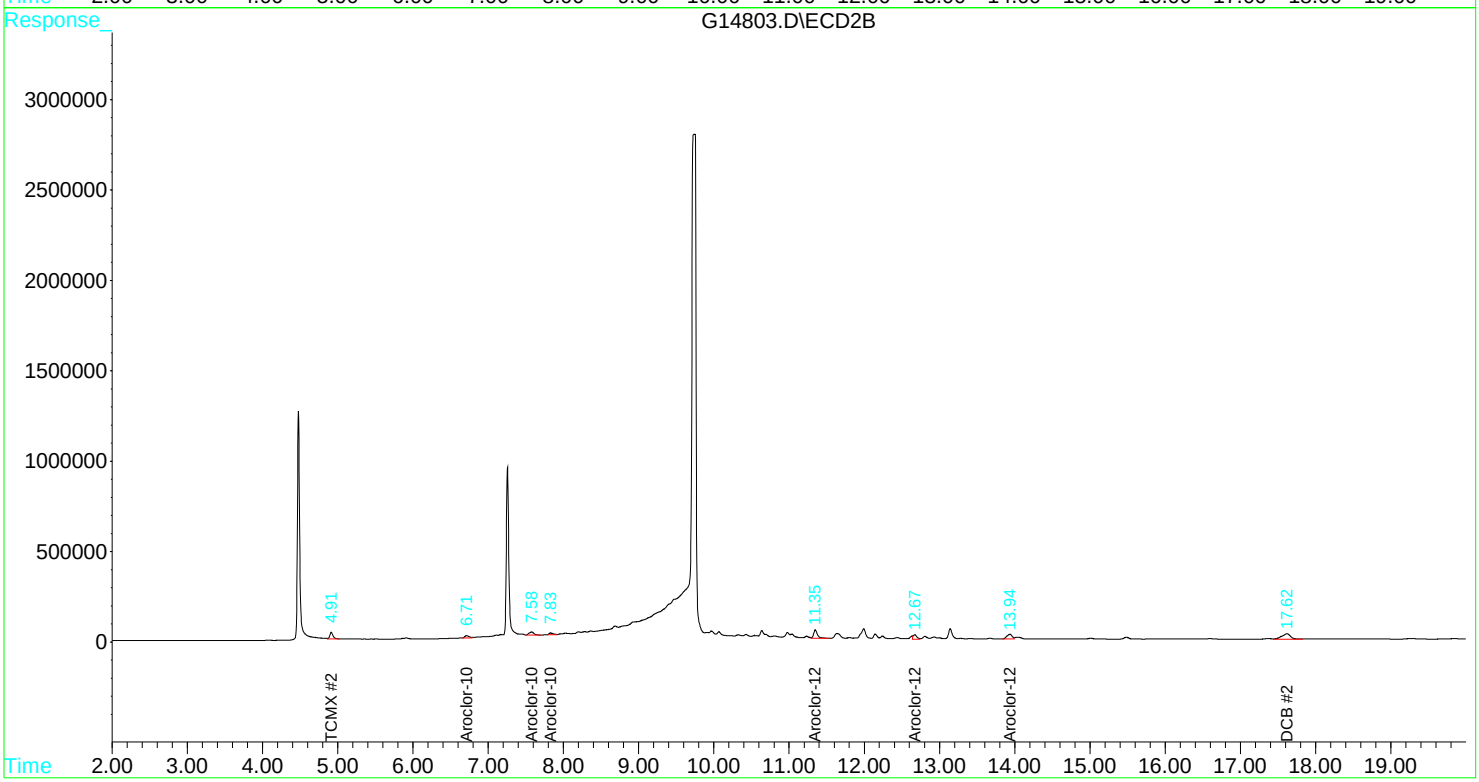
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\G\DATA\DEC15\G1228\G14803.D\ECD1A.CH Vial: 18
Signal #2 : D:\G\DATA\DEC15\G1228\G14803.D\ECD2B.CH
Acq On : 28 Dec 2015 17:40 Operator: JAM
Sample : B5L2402-MS2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:42 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8081/8082
Prep Batch:	B5L2402	Prep Method:	EPA 3550B
Percent Solids:	90.10	Laboratory ID:	B5L2402-MSD2
Column:	2	Client Sample ID:	1502315-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016 [2C]	370	218	59.0	8.47	30	40 - 140
Aroclor-1016 (1) [2C]	370	253	68.4	9.30	30	40 - 140
Aroclor-1016 (2) [2C]	370	197	53.4	7.80	30	40 - 140
Aroclor-1016 (3) [2C]	370	205	55.3	8.09	30	40 - 140
Aroclor-1260 [2C]	370	385	104	5.75	30	40 - 140
Aroclor-1260 (1) [2C]	370	439	119	11.8	30	40 - 140
Aroclor-1260 (2) [2C]	370	395	107	0.338	30	40 - 140
Aroclor-1260 (3) [2C]	370	321	86.8	4.45	30	40 - 140

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14804.D\ECD1A.CH Vial: 19
Signal #2 : D:\G\DATA\DEC15\G1228\G14804.D\ECD2B.CH
Acq On : 28 Dec 2015 18:09 Operator: JAM
Sample : B5L2402-MSD2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:43 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	AS TCMX	4.62	4.91f	96355	95753	0.508	0.422
	Spiked Amount 1.000			Recovery =		50.80%	42.20%
29)	AS DCB	16.31f	17.62f	149412	225256	0.503m	0.789m#
	Spiked Amount 1.000			Recovery =		50.30%	78.90%
	Target Compounds						
2)	L1 Aroclor-1016	6.43f	6.71	47392	50697	9.778m	6.845 #
3)	L1 Aroclor-1016 {2}	6.93f	7.58f	99352	72459	7.087m	5.338
4)	L1 Aroclor-1016 {3}	7.12f	7.83f	46672	35303	7.408m	5.529 #
20)	L7 Aroclor-1260	10.31f	11.35f	133447	139939	13.669m	11.858
21)	L7 Aroclor-1260 {2}	11.24f	12.67f	185531	87348	13.007m	10.683
22)	L7 Aroclor-1260 {3}	12.44f	13.94f	182027	123560	8.825	8.682m

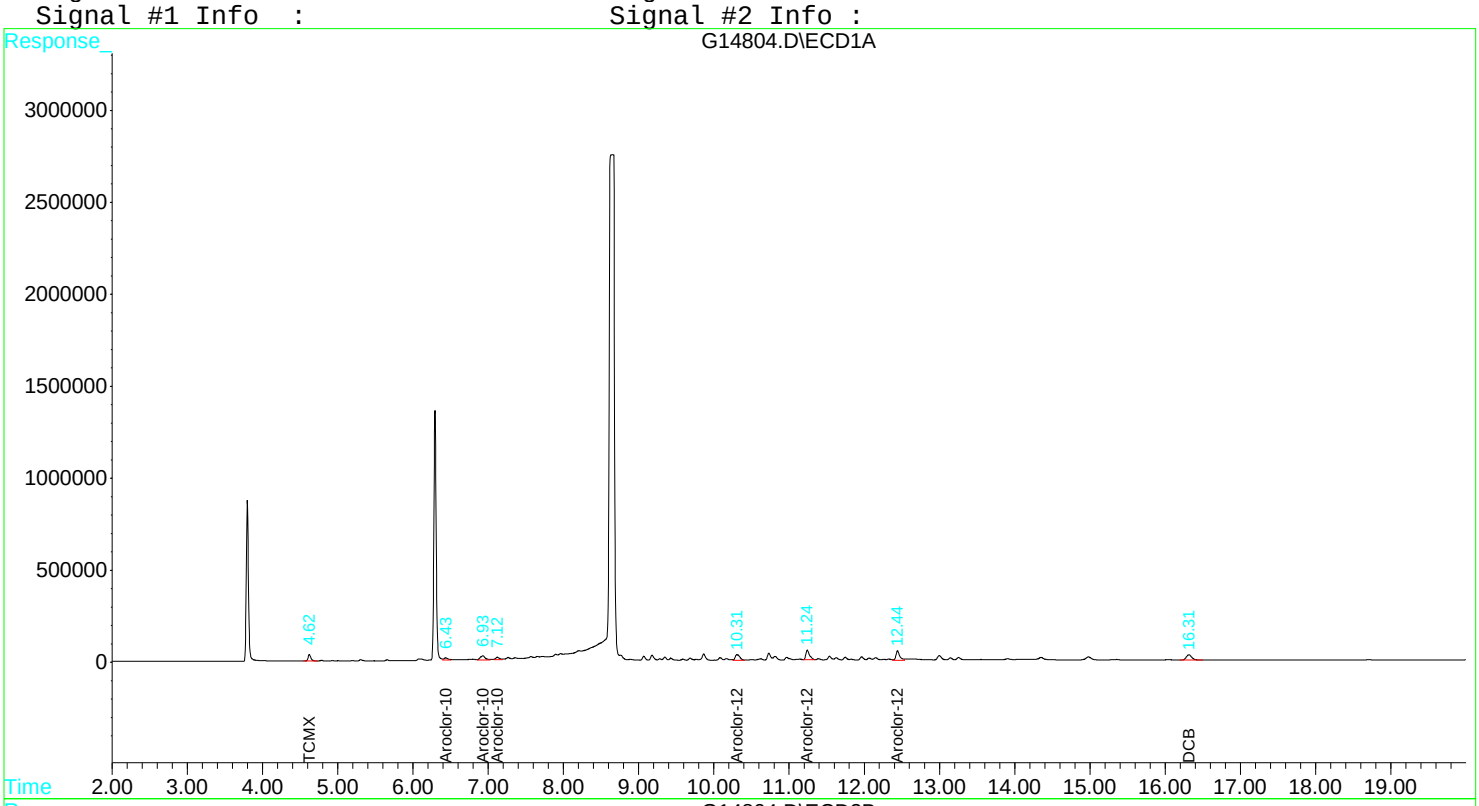
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

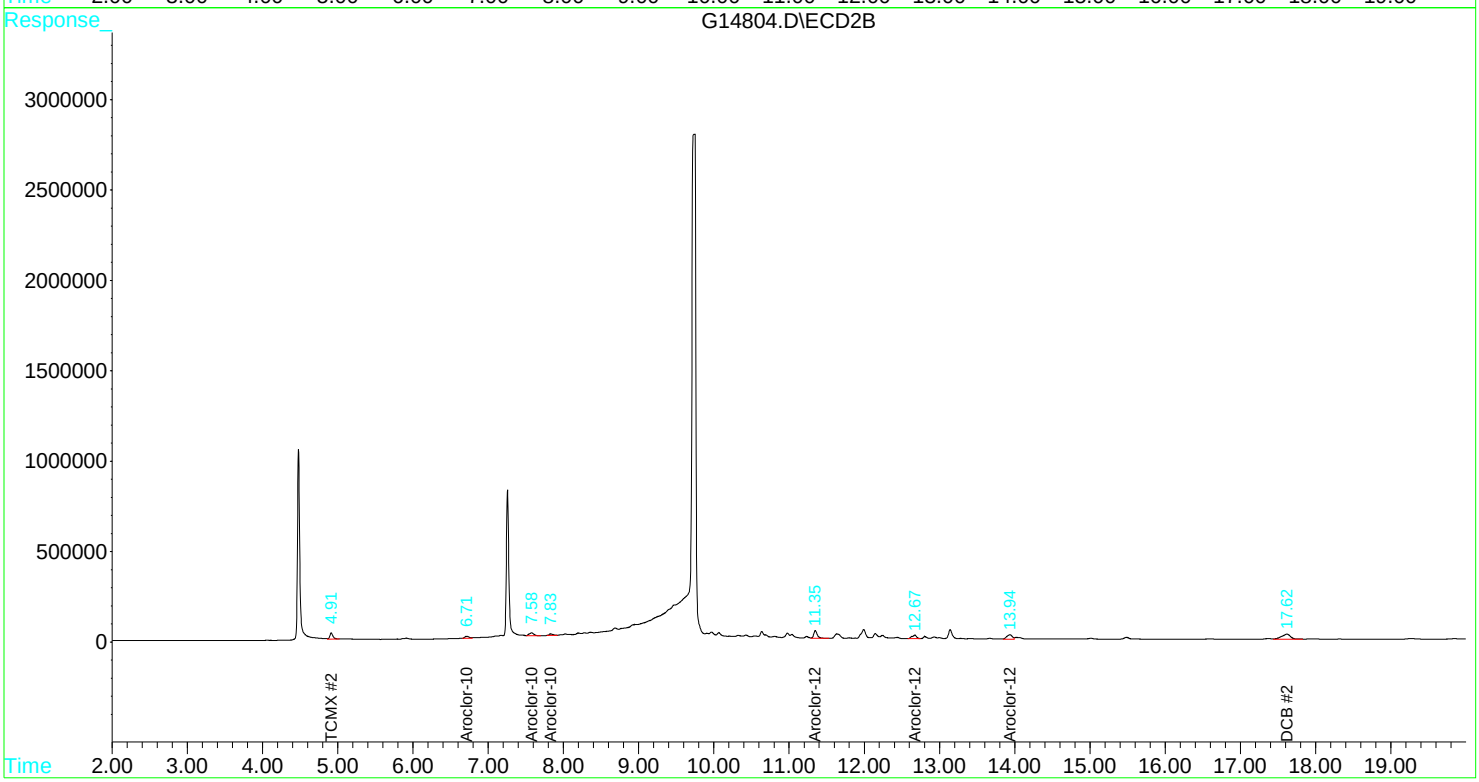
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14804.D\ECD1A.CH Vial: 19
Signal #2 : D:\G\DATA\DEC15\G1228\G14804.D\ECD2B.CH
Acq On : 28 Dec 2015 18:09 Operator: JAM
Sample : B5L2402-MSD2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:43 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





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LCS / LCS DUPLICATE RECOVERY

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Prep Method:	EPA 3550B
Prep Batch:	B5L2402	Lab Sample ID:	B5L2402-BS1
Column:	1		

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
alpha-BHC	10.0	9.63	96.3	40 - 140
beta-BHC	10.0	10.1	101	40 - 140
delta-BHC	10.0	11.1	111	40 - 140
gamma-BHC [Lindane]	10.0	10.0	100	40 - 140
Heptachlor	10.0	9.80	98.0	40 - 140
Aldrin	10.0	9.87	98.7	40 - 140
Heptachlor Epoxide	10.0	10.7	107	40 - 140
Endosulfan I	10.0	8.63	86.3	40 - 140
Dieldrin	10.0	10.1	101	40 - 140
4,4'-DDE	10.0	9.93	99.3	40 - 140
Endrin	10.0	11.3	113	40 - 140
Endosulfan II	10.0	10.3	103	40 - 140
4,4'-DDD	10.0	9.70	97.0	40 - 140
Endosulfan sulfate	10.0	9.67	96.7	40 - 140
4,4'-DDT	10.0	10.9	109	40 - 140
Methoxychlor	10.0	11.0	110	40 - 140
Endrin ketone	10.0	11.0	110	40 - 140
Endrin aldehyde	10.0	10.8	108	40 - 140
alpha-Chlordane	10.0	11.7	117	40 - 140
gamma-Chlordane	10.0	10.5	105	40 - 140

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14794.D\ECD1A.CH Vial: 9
Signal #2 : D:\G\DATA\DEC15\G1228\G14794.D\ECD2B.CH
Acq On : 28 Dec 2015 13:17 Operator: JAM
Sample : B5L2402-BS1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 13:46 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.62	4.92	1363648	1560460	0.773	0.751
	Spiked Amount 1.000	Range 30 - 150		Recovery =		77.30%	75.10%
22) AS	Decachlorobiphen	16.31	17.62f	2495442	2447284	0.949	0.959
	Spiked Amount 1.000	Range 30 - 150		Recovery =		94.90%	95.90%
	Target Compounds						
2) A	alpha-BHC	5.33	6.18	608810	636224	0.289	0.269
3) AM	gamma-BHC (Linda	5.93	6.90	620538	652434	0.300	0.280
4) AM	Heptachlor	7.24	7.75	637580	662748	0.294	0.395 #
5) BM	Aldrin	7.89	8.36	569628	578324	0.296	0.292
6) B	beta-BHC	5.81	7.10	335088	352842	0.302	0.296
7) B	delta-BHC	6.36	7.67	610520	554454	0.333	0.304m
8) B	Heptachlor Epoxi	8.63	9.45	629200	553714	0.322	0.304
9) A	Endosulfan I	9.30	10.17	485498	529216	0.259m	0.303
10) B	gamma-Chlordane	9.06	9.80	609900	593078	0.315	0.301
11) B	alpha-Chlordane	9.34	10.07	682684	574762	0.352	0.304
12) B	4,4'-DDE	9.70	10.40	530628	549612	0.298m	0.312
13) AM	Dieldrin	9.79	10.66	562572	510978	0.302	0.299
14) AM	Endrin	10.20	11.21	510840	456344	0.339	0.371
15) B	Endosulfan II	10.36	11.60	505952	485276	0.310	0.322
16) A	4,4'-DDD	10.47	11.45	396726	367980	0.291	0.302
17) AM	4,4'-DDT	11.14	11.99	536144	433228	0.328m	0.291
18) B	Endrin Aldehyde	10.71	12.21	465438	471096	0.324	0.313
19) B	Endosulfan Sulfa	11.14	12.70	457300	433732	0.290m	0.315
20) A	Methoxychlor	12.17	13.28	290180	238868	0.329	0.410
21) B	Endrin Ketone	12.00	13.78f	622888	587804	0.330	0.335

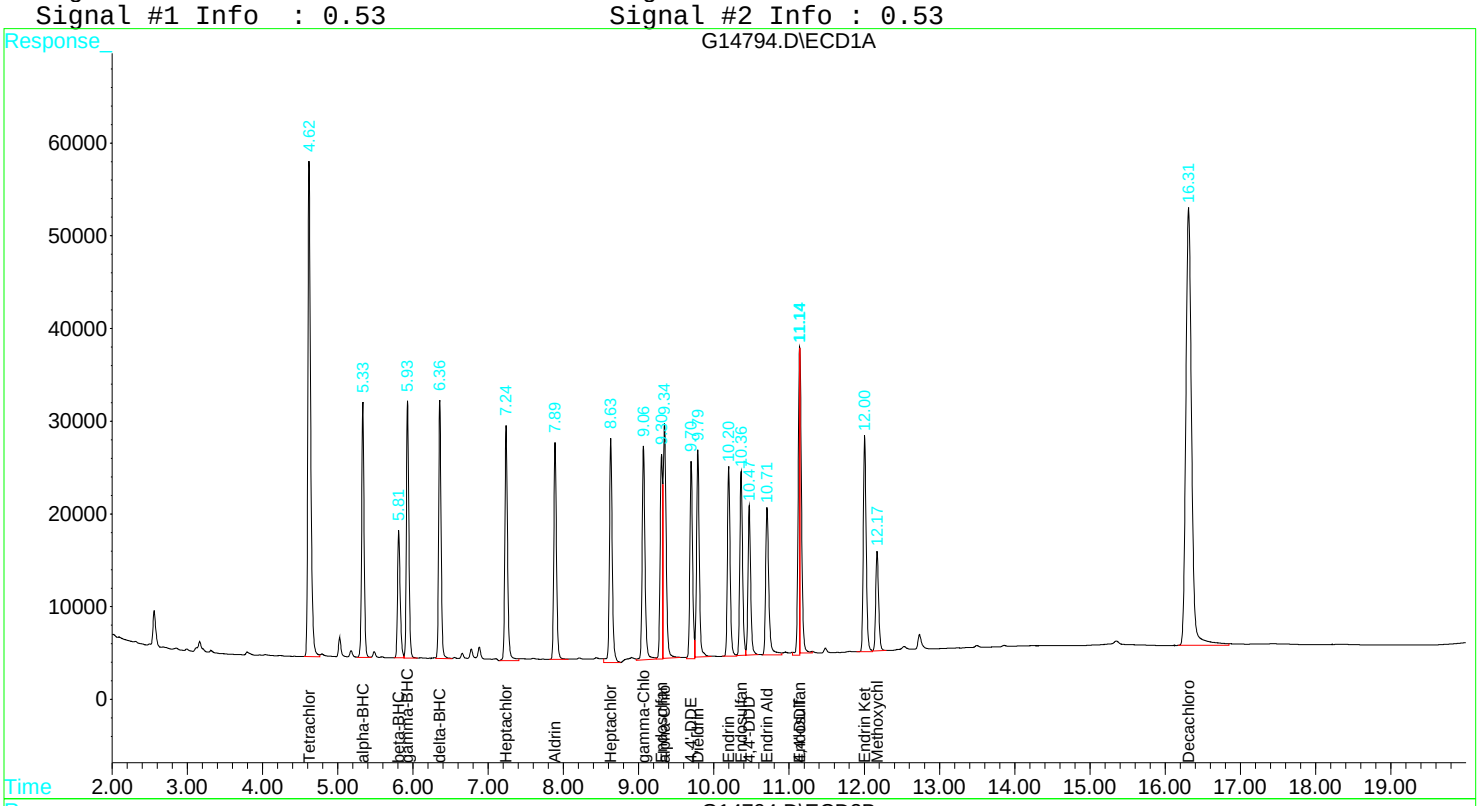
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

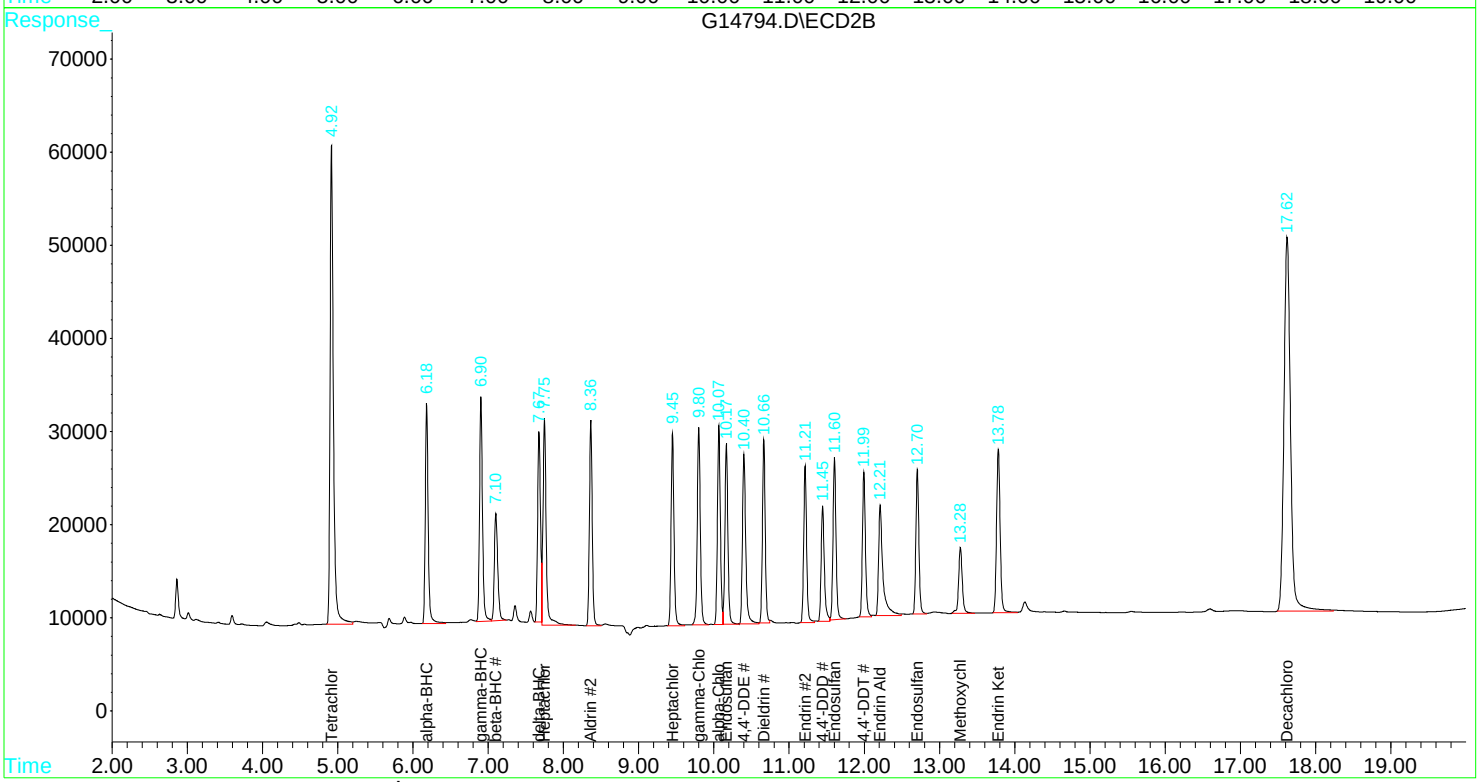
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14794.D\ECD1A.CH Vial: 9
Signal #2 : D:\G\DATA\DEC15\G1228\G14794.D\ECD2B.CH
Acq On : 28 Dec 2015 13:17 Operator: JAM
Sample : B5L2402-BS1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 13:46 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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LCS / LCS DUPLICATE RECOVERY

EPA 8081/8082

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 3550B
Prep Batch:	B5L2402	Lab Sample ID:	B5L2402-BS2
Column:	1		

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Aroclor-1016	333	325	97.4	40 - 140
Aroclor-1016 (1)	333	316	94.8	40 - 140
Aroclor-1016 (2)	333	346	104	40 - 140
Aroclor-1016 (3)	333	312	93.6	40 - 140
Aroclor-1260	333	316	94.7	40 - 140
Aroclor-1260 (1)	333	298	89.5	40 - 140
Aroclor-1260 (2)	333	293	87.9	40 - 140
Aroclor-1260 (3)	333	355	107	40 - 140

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14805.D\ECD1A.CH Vial: 20
Signal #2 : D:\G\DATA\DEC15\G1228\G14805.D\ECD2B.CH
Acq On : 28 Dec 2015 18:38 Operator: JAM
Sample : B5L2402-BS2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:18 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

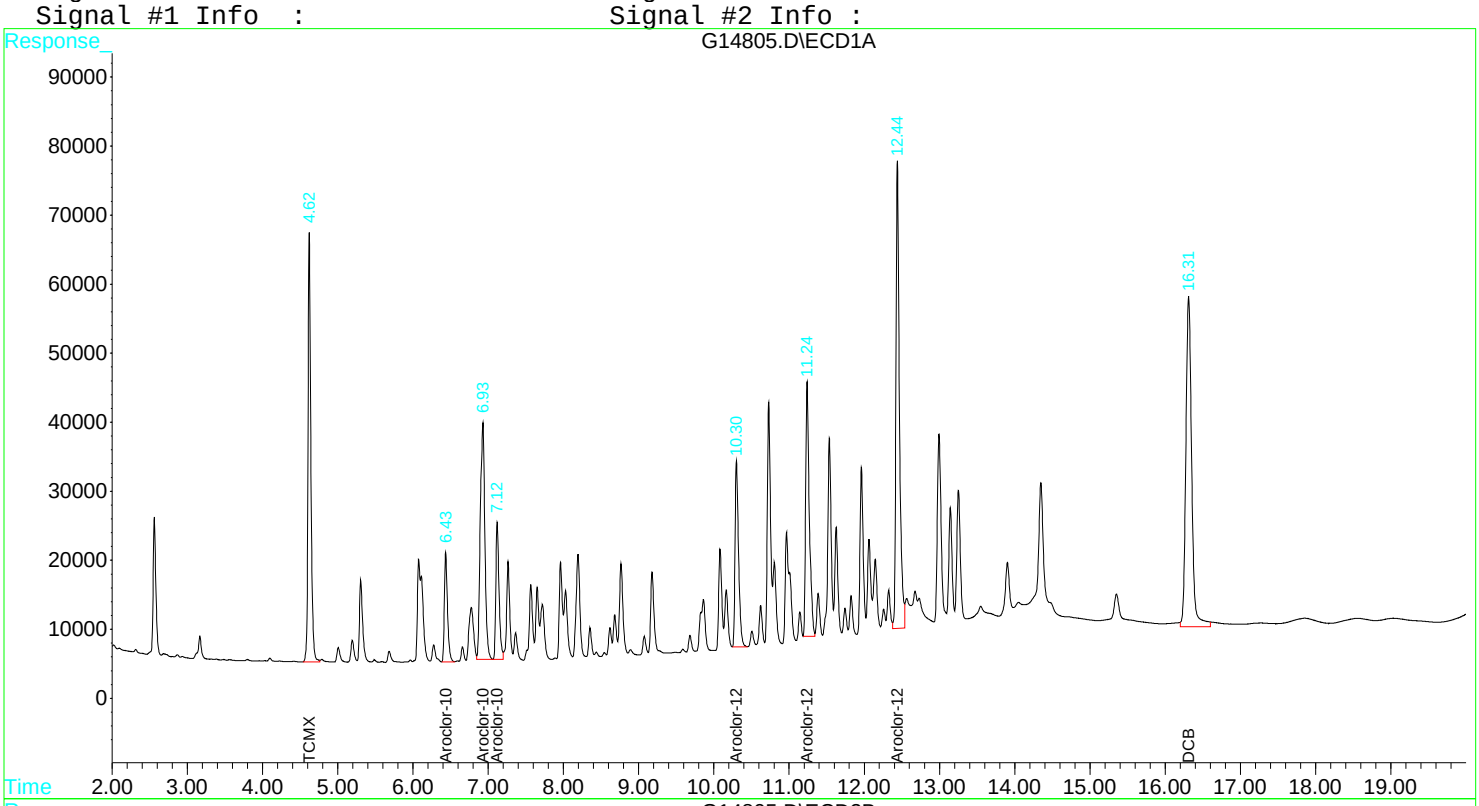
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	AS TCMX	4.62	4.91f	162200	173570	0.855	0.766
	Spiked Amount 1.000			Recovery	=	85.50%	76.60%
29)	AS DCB	16.31f	17.62f	254954	259434	0.858m	0.909m
	Spiked Amount 1.000			Recovery	=	85.80%	90.90%
	Target Compounds						
2)	L1 Aroclor-1016	6.43f	6.70f	45930	66571	9.476	8.988
3)	L1 Aroclor-1016 {2}	6.93f	7.58f	145607	147508	10.387	10.866
4)	L1 Aroclor-1016 {3}	7.12f	7.83f	58992	63283	9.364	9.911
20)	L7 Aroclor-1260	10.30f	11.35f	87410	117102	8.953	9.923
21)	L7 Aroclor-1260 {2}	11.24f	12.67f	125349	85329	8.788	10.436
22)	L7 Aroclor-1260 {3}	12.44f	13.94f	219867	158994	10.660	11.172m

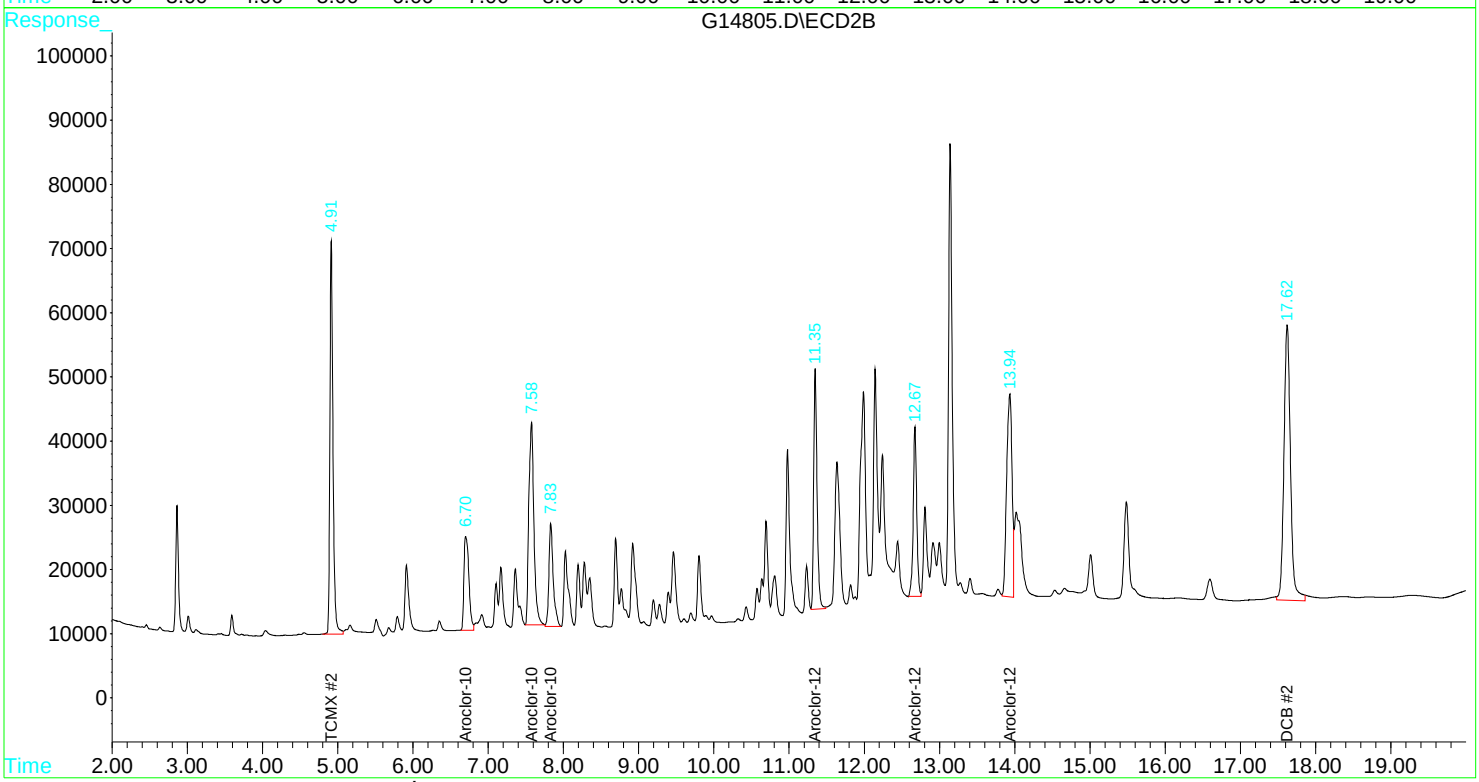
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\G\DATA\DEC15\G1228\G14805.D\ECD1A.CH Vial: 20
Signal #2 : D:\G\DATA\DEC15\G1228\G14805.D\ECD2B.CH
Acq On : 28 Dec 2015 18:38 Operator: JAM
Sample : B5L2402-BS2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:18 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





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LCS / LCS DUPLICATE RECOVERY

EPA 8081/8082

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 3550B
Prep Batch:	B5L2402	Lab Sample ID:	B5L2402-BS1
Column:	2		

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
alpha-BHC [2C]	10.0	8.97	89.7	40 - 140
beta-BHC [2C]	10.0	9.87	98.7	40 - 140
delta-BHC [2C]	10.0	10.1	101	40 - 140
gamma-BHC [Lindane] [2C]	10.0	9.33	93.3	40 - 140
Heptachlor [2C]	10.0	13.2	132	40 - 140
Aldrin [2C]	10.0	9.73	97.3	40 - 140
Heptachlor Epoxide [2C]	10.0	10.1	101	40 - 140
Endosulfan I [2C]	10.0	10.1	101	40 - 140
Dieldrin [2C]	10.0	9.97	99.7	40 - 140
4,4'-DDE [2C]	10.0	10.4	104	40 - 140
Endrin [2C]	10.0	12.4	124	40 - 140
Endosulfan II [2C]	10.0	10.7	107	40 - 140
4,4'-DDD [2C]	10.0	10.1	101	40 - 140
Endosulfan sulfate [2C]	10.0	10.5	105	40 - 140
4,4'-DDT [2C]	10.0	9.70	97.0	40 - 140
Methoxychlor [2C]	10.0	13.7	137	40 - 140
Endrin ketone [2C]	10.0	11.2	112	40 - 140
Endrin aldehyde [2C]	10.0	10.4	104	40 - 140
alpha-Chlordane [2C]	10.0	10.1	101	40 - 140
gamma-Chlordane [2C]	10.0	10.0	100	40 - 140

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14794.D\ECD1A.CH Vial: 9
Signal #2 : D:\G\DATA\DEC15\G1228\G14794.D\ECD2B.CH
Acq On : 28 Dec 2015 13:17 Operator: JAM
Sample : B5L2402-BS1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 13:46 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	AS Tetrachloro-m-xy	4.62	4.92	1363648	1560460	0.773	0.751
	Spiked Amount 1.000	Range 30 - 150		Recovery =		77.30%	75.10%
22)	AS Decachlorobiphen	16.31	17.62f	2495442	2447284	0.949	0.959
	Spiked Amount 1.000	Range 30 - 150		Recovery =		94.90%	95.90%
	Target Compounds						
2)	A alpha-BHC	5.33	6.18	608810	636224	0.289	0.269
3)	AM gamma-BHC (Linda	5.93	6.90	620538	652434	0.300	0.280
4)	AM Heptachlor	7.24	7.75	637580	662748	0.294	0.395 #
5)	BM Aldrin	7.89	8.36	569628	578324	0.296	0.292
6)	B beta-BHC	5.81	7.10	335088	352842	0.302	0.296
7)	B delta-BHC	6.36	7.67	610520	554454	0.333	0.304m
8)	B Heptachlor Epoxi	8.63	9.45	629200	553714	0.322	0.304
9)	A Endosulfan I	9.30	10.17	485498	529216	0.259m	0.303
10)	B gamma-Chlordane	9.06	9.80	609900	593078	0.315	0.301
11)	B alpha-Chlordane	9.34	10.07	682684	574762	0.352	0.304
12)	B 4,4'-DDE	9.70	10.40	530628	549612	0.298m	0.312
13)	AM Dieldrin	9.79	10.66	562572	510978	0.302	0.299
14)	AM Endrin	10.20	11.21	510840	456344	0.339	0.371
15)	B Endosulfan II	10.36	11.60	505952	485276	0.310	0.322
16)	A 4,4'-DDD	10.47	11.45	396726	367980	0.291	0.302
17)	AM 4,4'-DDT	11.14	11.99	536144	433228	0.328m	0.291
18)	B Endrin Aldehyde	10.71	12.21	465438	471096	0.324	0.313
19)	B Endosulfan Sulfa	11.14	12.70	457300	433732	0.290m	0.315
20)	A Methoxychlor	12.17	13.28	290180	238868	0.329	0.410
21)	B Endrin Ketone	12.00	13.78f	622888	587804	0.330	0.335

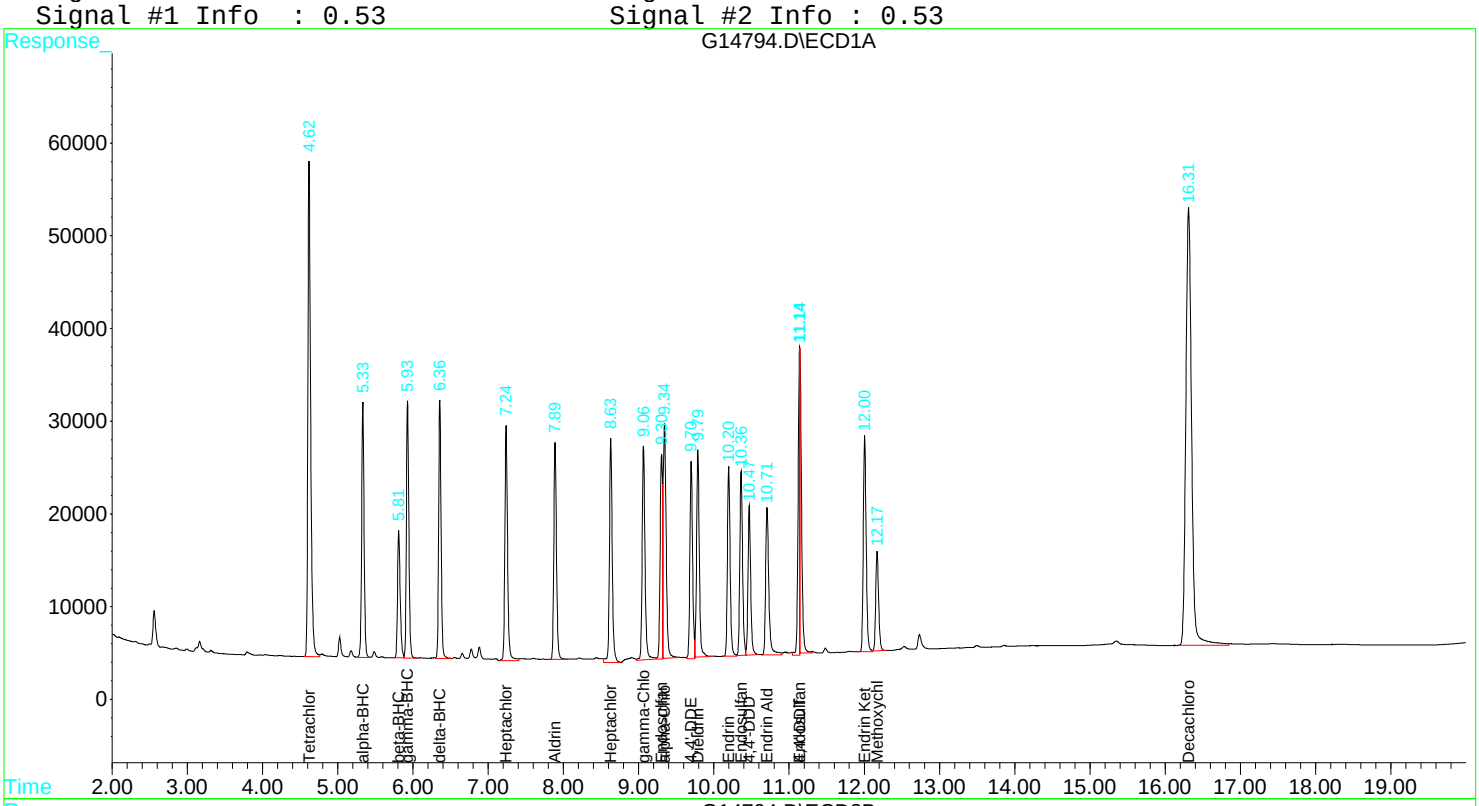
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

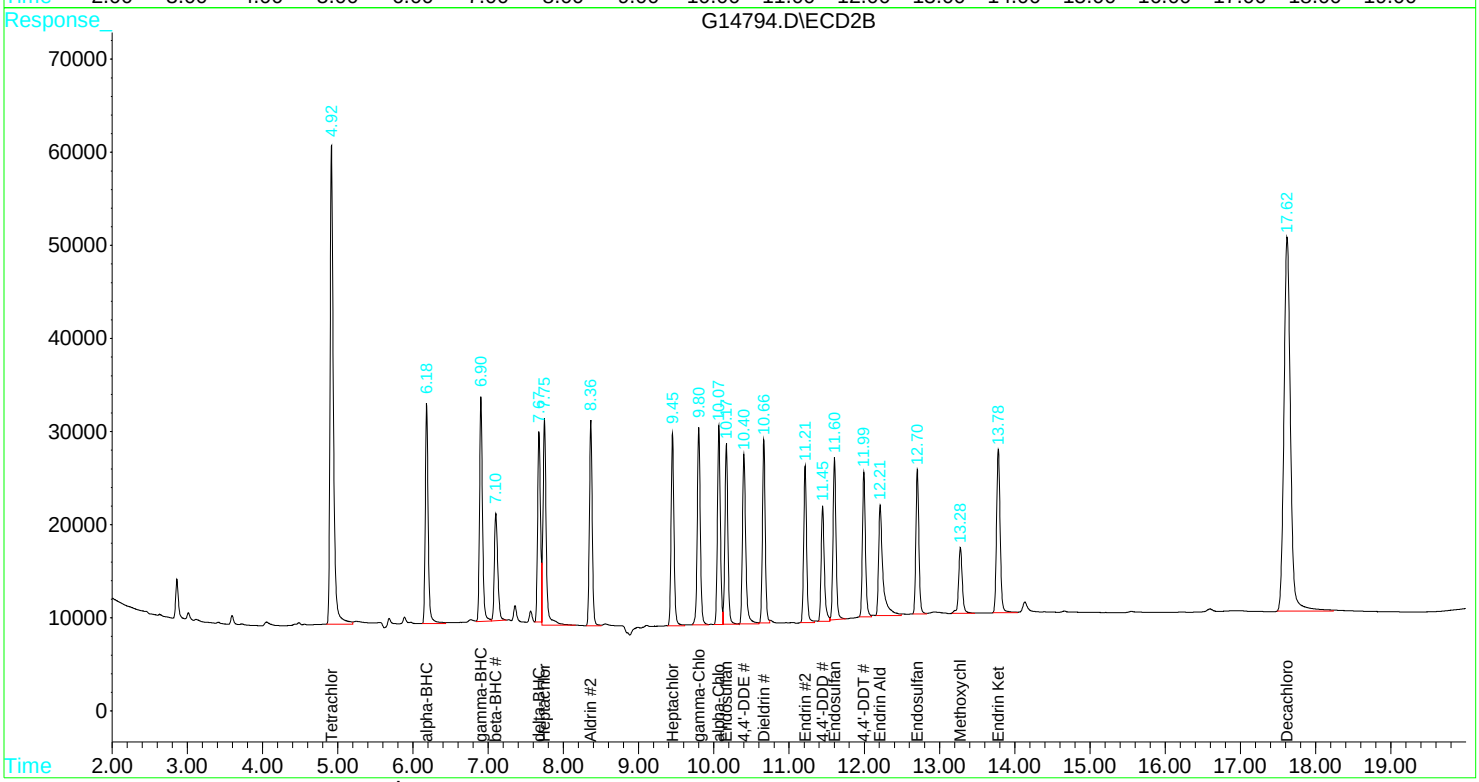
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14794.D\ECD1A.CH Vial: 9
Signal #2 : D:\G\DATA\DEC15\G1228\G14794.D\ECD2B.CH
Acq On : 28 Dec 2015 13:17 Operator: JAM
Sample : B5L2402-BS1 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 13:46 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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LCS / LCS DUPLICATE RECOVERY

EPA 8081/8082

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 3550B
Prep Batch:	B5L2402	Lab Sample ID:	B5L2402-BS2
Column:	2		

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Aroclor-1016 [2C]	333	331	99.2	40 - 140
Aroclor-1016 (1) [2C]	333	300	89.9	40 - 140
Aroclor-1016 (2) [2C]	333	362	109	40 - 140
Aroclor-1016 (3) [2C]	333	330	99.1	40 - 140
Aroclor-1260 [2C]	333	350	105	40 - 140
Aroclor-1260 (1) [2C]	333	331	99.2	40 - 140
Aroclor-1260 (2) [2C]	333	348	104	40 - 140
Aroclor-1260 (3) [2C]	333	372	112	40 - 140

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14805.D\ECD1A.CH Vial: 20
Signal #2 : D:\G\DATA\DEC15\G1228\G14805.D\ECD2B.CH
Acq On : 28 Dec 2015 18:38 Operator: JAM
Sample : B5L2402-BS2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:18 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1)	AS TCMX	4.62	4.91f	162200	173570	0.855	0.766
	Spiked Amount 1.000			Recovery	=	85.50%	76.60%
29)	AS DCB	16.31f	17.62f	254954	259434	0.858m	0.909m
	Spiked Amount 1.000			Recovery	=	85.80%	90.90%
	Target Compounds						
2)	L1 Aroclor-1016	6.43f	6.70f	45930	66571	9.476	8.988
3)	L1 Aroclor-1016 {2}	6.93f	7.58f	145607	147508	10.387	10.866
4)	L1 Aroclor-1016 {3}	7.12f	7.83f	58992	63283	9.364	9.911
20)	L7 Aroclor-1260	10.30f	11.35f	87410	117102	8.953	9.923
21)	L7 Aroclor-1260 {2}	11.24f	12.67f	125349	85329	8.788	10.436
22)	L7 Aroclor-1260 {3}	12.44f	13.94f	219867	158994	10.660	11.172m

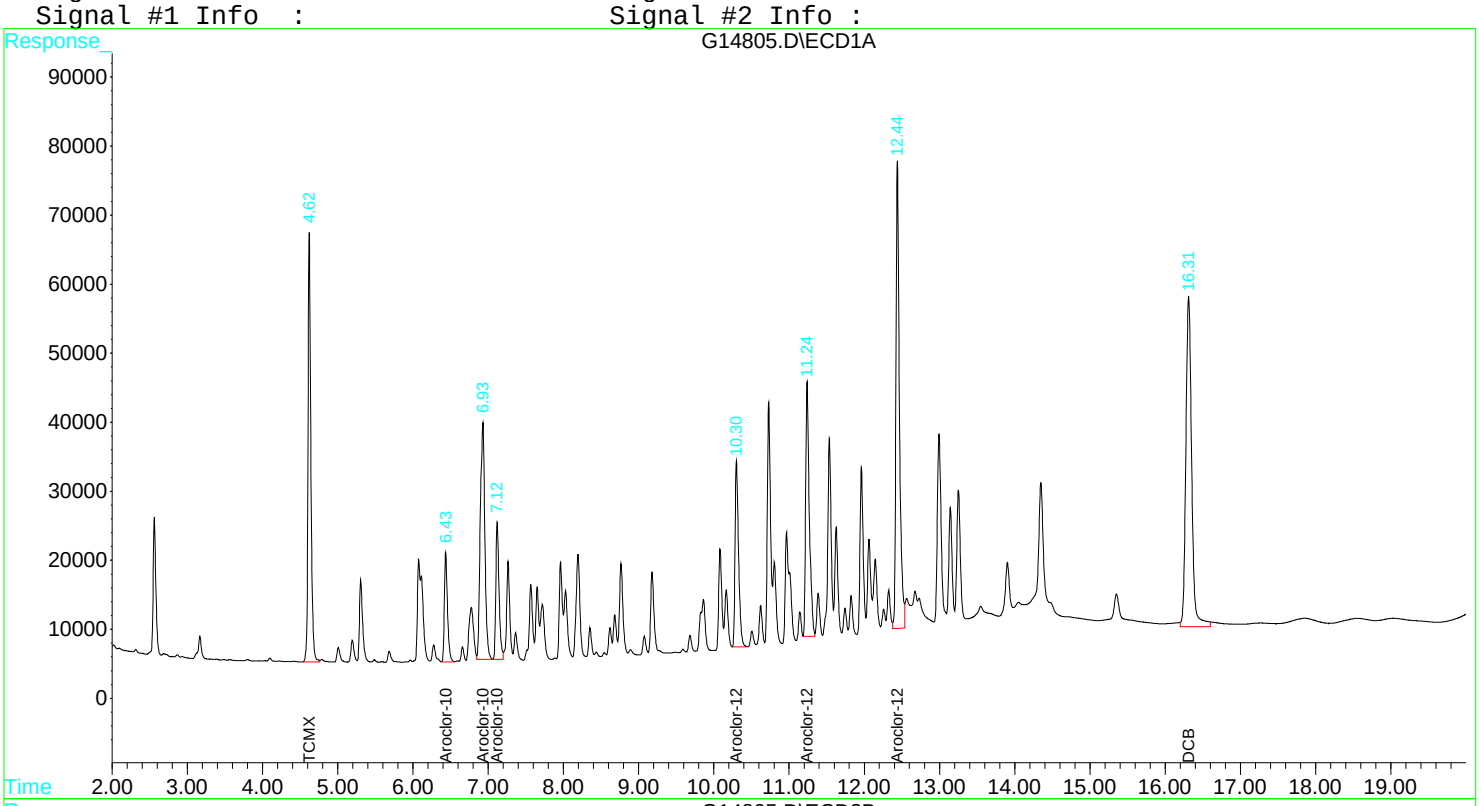
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

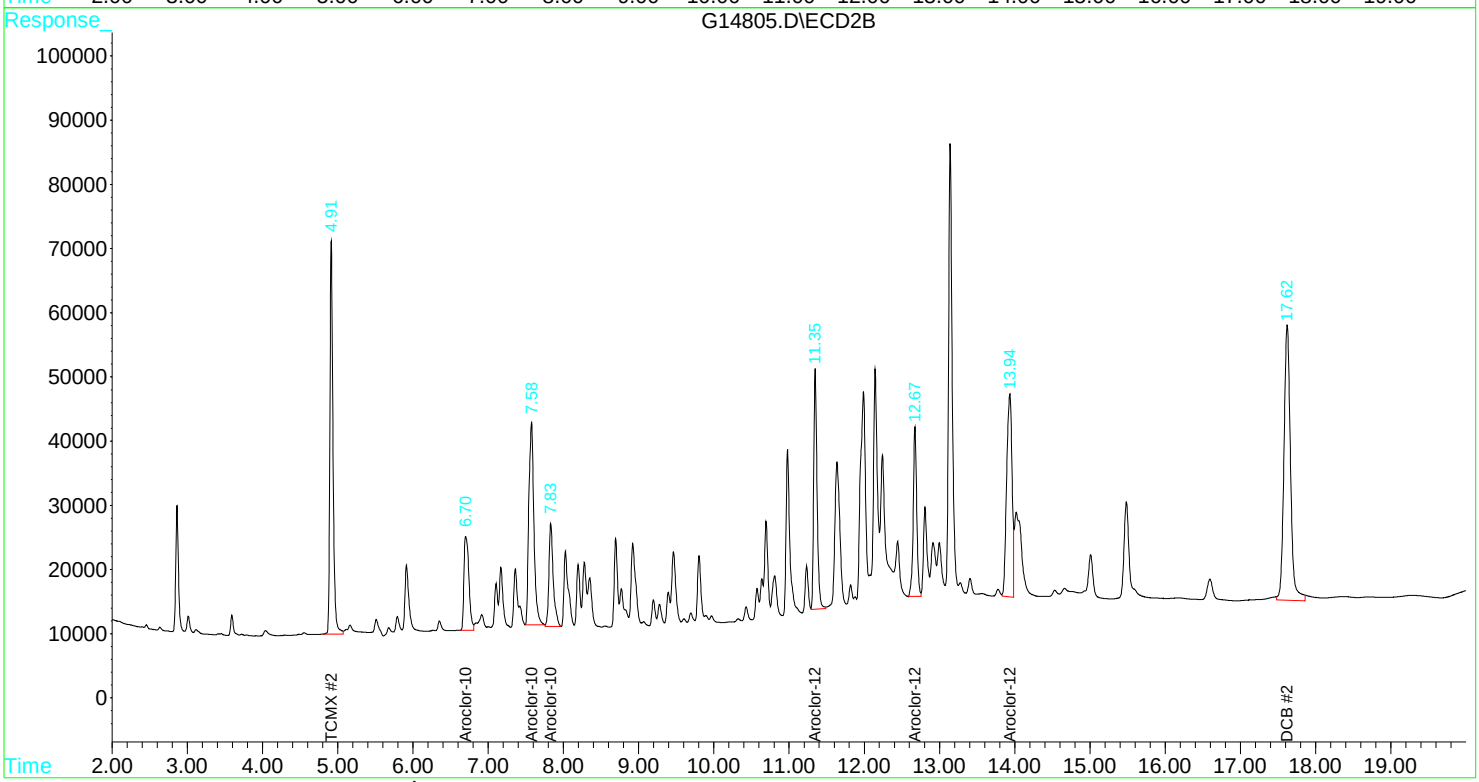
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14805.D\ECD1A.CH Vial: 20
Signal #2 : D:\G\DATA\DEC15\G1228\G14805.D\ECD2B.CH
Acq On : 28 Dec 2015 18:38 Operator: JAM
Sample : B5L2402-BS2 Inst : GCECD_GH
Misc : SOIL 12/24/15 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 29 11:18 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





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METHOD BLANK SUMMARY

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Blank ID:	B5L2402-BLK1	Batch:	B5L2402

Client Sample ID	Laboratory Sample ID	Lab File ID	Analysis Date/Time
LCS	B5L2402-BS1	G14794.D	12/28/2015 13:17
EP-18	1502323-01	G14797.D	12/28/2015 14:44
Matrix Spike	B5L2402-MS1	G14801.D	12/28/2015 16:41
Matrix Spike Dup	B5L2402-MSD1	G14802.D	12/28/2015 17:11
Matrix Spike	B5L2402-MS2	G14803.D	12/28/2015 17:40
Matrix Spike Dup	B5L2402-MSD2	G14804.D	12/28/2015 18:09
LCS	B5L2402-BS2	G14805.D	12/28/2015 18:38

Accredited Analytical Resources, LLC.

ANALYSIS SEQUENCE SUMMARY

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY

Sequence:	S5L1105	Instrument:	GCECD_GHF
Calibration:	15L1702		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5L1105-PEM1	G14601.D	12/11/15 08:33
Cal Standard	S5L1105-CAL1	G14602.D	12/11/15 09:47
Cal Standard	S5L1105-CAL2	G14603.D	12/11/15 10:16
Cal Standard	S5L1105-CAL3	G14604.D	12/11/15 10:46
Cal Standard	S5L1105-CAL4	G14605.D	12/11/15 11:15
Cal Standard	S5L1105-CAL5	G14606.D	12/11/15 11:44
Cal Standard	S5L1105-CAL6	G14607.D	12/11/15 15:59
Cal Standard	S5L1105-CAL7	G14608.D	12/11/15 16:28
Cal Standard	S5L1105-CAL8	G14609.D	12/11/15 16:57
Cal Standard	S5L1105-CAL9	G14610.D	12/11/15 17:26
Cal Standard	S5L1105-CALA	G14611.D	12/11/15 17:56
Cal Standard	S5L1105-CALB	G14612.D	12/11/15 18:25
Cal Standard	S5L1105-CALC	G14613.D	12/11/15 18:54
Cal Standard	S5L1105-CALD	G14614.D	12/11/15 19:23
Cal Standard	S5L1105-CALE	G14615.D	12/11/15 19:52
Cal Standard	S5L1105-CALF	G14616.D	12/11/15 20:21
Cal Standard	S5L1105-CALG	G14617.D	12/11/15 20:51
Cal Standard	S5L1105-CALH	G14618.D	12/11/15 21:20
Cal Standard	S5L1105-CALI	G14619.D	12/11/15 21:49
Cal Standard	S5L1105-CALJ	G14620.D	12/11/15 22:18
Cal Standard	S5L1105-CALK	G14621.D	12/11/15 22:47
Aroclor Reference	S5L1105-ARC1	G14622.D	12/11/15 23:16
Aroclor Reference	S5L1105-ARC2	G14623.D	12/11/15 23:46

Accredited Analytical Resources, LLC.

ANALYSIS SEQUENCE SUMMARY

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY

Sequence:	S5L1105	Instrument:	GCECD_GHF
Calibration:	15L1702		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Aroclor Reference	S5L1105-ARC3	G14624.D	12/12/15 00:15
Aroclor Reference	S5L1105-ARC4	G14625.D	12/12/15 00:44

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ANALYSIS SEQUENCE SUMMARY

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY

Sequence:	S5L2801	Instrument:	GCECD_GHF
Calibration:	15L1702		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Performance Mix	S5L2801-PEM1	G14787.D	12/28/15 09:08
Calibration Check	S5L2801-CCV1	G14788.D	12/28/15 09:37
Calibration Check	S5L2801-CCV2	G14789.D	12/28/15 10:06
Calibration Check	S5L2801-CCV3	G14790.D	12/28/15 11:19
Calibration Check	S5L2801-CCV4	G14791.D	12/28/15 11:49
Blank	B5L2402-BLK1	G14793.D	12/28/15 12:48
LCS	B5L2402-BS1	G14794.D	12/28/15 13:17
EP-18	1502323-01	G14797.D	12/28/15 14:44
Matrix Spike	B5L2402-MS1	G14801.D	12/28/15 16:41
Matrix Spike Dup	B5L2402-MSD1	G14802.D	12/28/15 17:11
Matrix Spike	B5L2402-MS2	G14803.D	12/28/15 17:40
Matrix Spike Dup	B5L2402-MSD2	G14804.D	12/28/15 18:09
LCS	B5L2402-BS2	G14805.D	12/28/15 18:38

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PEST/PCB CALIBRATION DATA

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INITIAL CALIBRATION DATA

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1702	Instrument:	GCECD_GHF
		Calibration Date:	12/11/2015 3:21:36PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
alpha-BHC	0.08	2.475142E+07	0.04	2.337055E+07	0.02	2.1423E+07	0.01	1.86192E+07	0.002	1.7343E+07		
alpha-BHC [2C]	0.08	2.63263E+07	0.04	2.34828E+07	0.02	2.25799E+07	0.01	2.18622E+07	0.002	2.3788E+07		
beta-BHC											0.08	1.096533E+07
beta-BHC [2C]											0.08	1.188443E+07
delta-BHC											0.08	2.187782E+07
delta-BHC [2C]											0.08	2.142442E+07
gamma-BHC [Lindane]	0.08	2.3227E+07	0.04	2.2355E+07	0.02	2.10446E+07	0.01	1.88256E+07	0.002	1.787E+07		
gamma-BHC [Lindane] [2C]	0.08	2.391728E+07	0.04	2.28579E+07	0.02	2.24753E+07	0.01	2.24876E+07	0.002	2.4659E+07		
Heptachlor	0.08	2.194905E+07	0.04	2.15601E+07	0.02	2.1152E+07	0.01	2.05092E+07	0.002	2.3099E+07		
Heptachlor [2C]	0.08	1.799895E+07	0.04	1.69782E+07	0.02	1.61315E+07	0.01	1.5824E+07	0.002	1.6915E+07		
Aldrin											0.08	2.133208E+07
Aldrin [2C]											0.08	2.044845E+07
Heptachlor Epoxide											0.08	1.94086E+07
Heptachlor Epoxide [2C]											0.08	1.817628E+07
Endosulfan I	0.08	1.864608E+07	0.04	1.82091E+07	0.02	1.78438E+07	0.01	1.74192E+07	0.002	2.1433E+07		
Endosulfan I [2C]	0.08	1.70763E+07	0.04	1.70714E+07	0.02	1.72752E+07	0.01	1.7221E+07	0.002	1.8623E+07		
Dieldrin	0.16	1.962618E+07	0.08	1.93523E+07	0.04	1.873735E+07	0.02	1.75021E+07	0.004	1.7835E+07		
Dieldrin [2C]	0.16	1.76791E+07	0.08	1.717205E+07	0.04	1.670395E+07	0.02	1.61781E+07	0.004	1.78225E+07		
4,4'-DDE											0.16	1.896086E+07
4,4'-DDE [2C]											0.16	1.827421E+07
Endrin	0.16	1.573655E+07	0.08	1.52468E+07	0.04	1.47961E+07	0.02	1.40535E+07	0.004	1.5449E+07		
Endrin [2C]	0.16	1.28823E+07	0.08	1.217128E+07	0.04	1.19232E+07	0.02	1.16878E+07	0.004	1.2788E+07		
Endosulfan II											0.16	1.664688E+07
Endosulfan II [2C]											0.16	1.552751E+07
4,4'-DDD	0.16	1.433124E+07	0.08	1.417223E+07	0.04	1.377655E+07	0.02	1.29053E+07	0.004	1.29205E+07		
4,4'-DDD [2C]	0.16	1.243611E+07	0.08	1.20249E+07	0.04	1.188035E+07	0.02	1.16414E+07	0.004	1.29325E+07		

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INITIAL CALIBRATION DATA

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1702	Instrument:	GCECD_GHF
		Calibration Date:	12/11/2015 3:21:36PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Endosulfan sulfate											0.16	1.651615E+07
Endosulfan sulfate [2C]											0.16	1.415703E+07
4,4'-DDT	0.16	1.6523E+07	0.08	1.651558E+07	0.04	1.63938E+07	0.02	1.57921E+07	0.004	1.644E+07		
4,4'-DDT [2C]	0.16	1.480073E+07	0.08	1.47351E+07	0.04	1.48111E+07	0.02	1.4633E+07	0.004	1.55245E+07		
Methoxychlor	0.8	7677890	0.4	8131430	0.2	8723560	0.1	9140880	0.02	1.04596E+07		
Methoxychlor [2C]	0.8	5902403	0.4	5781465	0.2	5880820	0.1	5769540	0.02	5783800		
Endrin ketone											0.16	1.910728E+07
Endrin ketone [2C]											0.16	1.794464E+07
Endrin aldehyde											0.16	1.369123E+07
Endrin aldehyde [2C]											0.16	1.396409E+07
alpha-Chlordane											0.08	2.011105E+07
alpha-Chlordane [2C]											0.08	1.86528E+07
gamma-Chlordane											0.08	2.028325E+07
gamma-Chlordane [2C]											0.08	1.884325E+07
Toxaphene												
Toxaphene (1)												
Toxaphene (2)												
Toxaphene (3)												
Toxaphene (4)												
Toxaphene [2C]												
Toxaphene (1) [2C]												
Toxaphene (2) [2C]												
Toxaphene (3) [2C]												
Toxaphene (4) [2C]												
Aroclor-1016												
Aroclor-1016 (1)												

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INITIAL CALIBRATION DATA

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1702	Instrument:	GCECD_GHF
		Calibration Date:	12/11/2015 3:21:36PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Aroclor-1016 (2)												
Aroclor-1016 (3)												
Aroclor-1016 [2C]												
Aroclor-1016 (1) [2C]												
Aroclor-1016 (2) [2C]												
Aroclor-1016 (3) [2C]												
Aroclor-1260												
Aroclor-1260 (1)												
Aroclor-1260 (2)												
Aroclor-1260 (3)												
Aroclor-1260 [2C]												
Aroclor-1260 (1) [2C]												
Aroclor-1260 (2) [2C]												
Aroclor-1260 (3) [2C]												
Tetrachloro-m-xylene	0.08	1.617658E+07	0.04	1.716955E+07	0.02	1.7759E+07	0.01	1.7567E+07	0.002	1.952E+07		
Tetrachloro-m-xylene [2C]	0.08	1.678252E+07	0.04	2.01495E+07	0.02	2.07403E+07	0.01	2.09472E+07	0.002	2.5267E+07		
Decachlorobiphenyl	0.16	2.22491E+07	0.08	2.415738E+07	0.04	2.589215E+07	0.02	2.72726E+07	0.004	3.1969E+07		
Decachlorobiphenyl [2C]	0.16	2.230035E+07	0.08	2.370175E+07	0.04	2.50907E+07	0.02	2.59296E+07	0.004	3.0561E+07		

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
alpha-BHC												
alpha-BHC [2C]												
beta-BHC	0.04	1.12782E+07	0.02	1.10199E+07	0.01	1.1082E+07	0.002	1.1125E+07				
beta-BHC [2C]	0.04	1.195655E+07	0.02	1.19068E+07	0.01	1.25978E+07	0.002	1.1269E+07				
delta-BHC	0.04	2.069225E+07	0.02	1.81371E+07	0.01	1.63048E+07	0.002	1.457E+07				
delta-BHC [2C]	0.04	1.9427E+07	0.02	1.82652E+07	0.01	1.71522E+07	0.002	1.5028E+07				
gamma-BHC [Lindane]												
gamma-BHC [Lindane] [2C]												
Heptachlor												
Heptachlor [2C]												
Aldrin	0.04	2.04077E+07	0.02	1.86125E+07	0.01	1.8044E+07	0.002	1.769E+07				
Aldrin [2C]	0.04	1.990035E+07	0.02	1.89371E+07	0.01	1.9374E+07	0.002	2.0407E+07				
Heptachlor Epoxide	0.04	1.91084E+07	0.02	1.81751E+07	0.01	1.86984E+07	0.002	2.237E+07				
Heptachlor Epoxide [2C]	0.04	1.81187E+07	0.02	1.75577E+07	0.01	1.81536E+07	0.002	1.9123E+07				
Endosulfan I												
Endosulfan I [2C]												
Dieldrin												
Dieldrin [2C]												
4,4'-DDE	0.08	1.864532E+07	0.04	1.75318E+07	0.02	1.71385E+07	0.004	1.6634E+07				
4,4'-DDE [2C]	0.08	1.765712E+07	0.04	1.688485E+07	0.02	1.71302E+07	0.004	1.8273E+07				
Endrin												
Endrin [2C]												
Endosulfan II	0.08	1.677558E+07	0.04	1.60867E+07	0.02	1.60155E+07	0.004	1.62065E+07				
Endosulfan II [2C]	0.08	1.540298E+07	0.04	1.478385E+07	0.02	1.48084E+07	0.004	1.4881E+07				
4,4'-DDD												

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
4,4'-DDD [2C]												
Endosulfan sulfate	0.08	1.631328E+07	0.04	1.54793E+07	0.02	1.50542E+07	0.004	1.5367E+07				
Endosulfan sulfate [2C]	0.08	1.39014E+07	0.04	1.33994E+07	0.02	1.34565E+07	0.004	1.3979E+07				
4,4'-DDT												
4,4'-DDT [2C]												
Methoxychlor												
Methoxychlor [2C]												
Endrin ketone	0.08	1.935815E+07	0.04	1.880105E+07	0.02	1.87998E+07	0.004	1.8362E+07				
Endrin ketone [2C]	0.08	1.794855E+07	0.04	1.73817E+07	0.02	1.7355E+07	0.004	1.6972E+07				
Endrin aldehyde	0.08	1.39917E+07	0.04	1.396455E+07	0.02	1.44918E+07	0.004	1.56735E+07				
Endrin aldehyde [2C]	0.08	1.444255E+07	0.04	1.466335E+07	0.02	1.54633E+07	0.004	1.6703E+07				
alpha-Chlordane	0.04	1.97123E+07	0.02	1.87054E+07	0.01	1.88904E+07	0.002	1.9453E+07				
alpha-Chlordane [2C]	0.04	1.86941E+07	0.02	1.82663E+07	0.01	1.89038E+07	0.002	2.0044E+07				
gamma-Chlordane	0.04	1.97682E+07	0.02	1.86571E+07	0.01	1.87578E+07	0.002	1.9249E+07				
gamma-Chlordane [2C]	0.04	1.873805E+07	0.02	1.83086E+07	0.01	1.9108E+07	0.002	2.338E+07				
Toxaphene									10	164825.7	5	192180.4
Toxaphene (1)									10	178256.2	5	207083.2
Toxaphene (2)									10	177925.2	5	217655.6
Toxaphene (3)									10	233332.2	5	270776.8
Toxaphene (4)									10	69789	5	73206
Toxaphene [2C]									10	329557.2	5	375679.6
Toxaphene (1) [2C]									10	210256	5	230132
Toxaphene (2) [2C]									10	550133.2	5	619796.4
Toxaphene (3) [2C]									10	250009.6	5	294122.4
Toxaphene (4) [2C]									10	307830	5	358667.2

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Aroclor-1016												
Aroclor-1016 (1)												
Aroclor-1016 (2)												
Aroclor-1016 (3)												
Aroclor-1016 [2C]												
Aroclor-1016 (1) [2C]												
Aroclor-1016 (2) [2C]												
Aroclor-1016 (3) [2C]												
Aroclor-1260												
Aroclor-1260 (1)												
Aroclor-1260 (2)												
Aroclor-1260 (3)												
Aroclor-1260 [2C]												
Aroclor-1260 (1) [2C]												
Aroclor-1260 (2) [2C]												
Aroclor-1260 (3) [2C]												
Tetrachloro-m-xylene												
Tetrachloro-m-xylene [2C]												
Decachlorobiphenyl												
Decachlorobiphenyl [2C]												

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
alpha-BHC												
alpha-BHC [2C]												
beta-BHC												
beta-BHC [2C]												
delta-BHC												
delta-BHC [2C]												
gamma-BHC [Lindane]												
gamma-BHC [Lindane] [2C]												
Heptachlor												
Heptachlor [2C]												
Aldrin												
Aldrin [2C]												
Heptachlor Epoxide												
Heptachlor Epoxide [2C]												
Endosulfan I												
Endosulfan I [2C]												
Dieldrin												
Dieldrin [2C]												
4,4'-DDE												
4,4'-DDE [2C]												
Endrin												
Endrin [2C]												
Endosulfan II												
Endosulfan II [2C]												
4,4'-DDD												

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
4,4'-DDD [2C]												
Endosulfan sulfate												
Endosulfan sulfate [2C]												
4,4'-DDT												
4,4'-DDT [2C]												
Methoxychlor												
Methoxychlor [2C]												
Endrin ketone												
Endrin ketone [2C]												
Endrin aldehyde												
Endrin aldehyde [2C]												
alpha-Chlordane												
alpha-Chlordane [2C]												
gamma-Chlordane												
gamma-Chlordane [2C]												
Toxaphene	2.5	204498.2	1	218484	0.1	239335						
Toxaphene (1)	2.5	211148	1	224730	0.1	246220						
Toxaphene (2)	2.5	241136.8	1	272172	0.1	287100						
Toxaphene (3)	2.5	297061.6	1	310270	0.1	343020						
Toxaphene (4)	2.5	68646.4	1	66764	0.1	81000						
Toxaphene [2C]	2.5	369613.2	1	375821	0.1	372520						
Toxaphene (1) [2C]	2.5	231940	1	243252	0.1	273200						
Toxaphene (2) [2C]	2.5	608733.6	1	626690	0.1	598640						
Toxaphene (3) [2C]	2.5	294055.2	1	301186	0.1	388440						
Toxaphene (4) [2C]	2.5	343724	1	332156	0.1	229800						

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
		RF		RF		RF		RF		RF		RF
Aroclor-1016							2	74317.65	1.5	77710.47	1	80392.33
Aroclor-1016 (1)							2	43180	1.5	45042.67	1	46890
Aroclor-1016 (2)							2	123907.5	1.5	129560.7	1	134161
Aroclor-1016 (3)							2	55865.5	1.5	58528	1	60126
Aroclor-1016 [2C]							2	84896.65	1.5	89405.8	1	94391.33
Aroclor-1016 (1) [2C]							2	63795.5	1.5	67641.34	1	71830
Aroclor-1016 (2) [2C]							2	128620.5	1.5	134572.7	1	140840
Aroclor-1016 (3) [2C]							2	62274	1.5	66003.34	1	70504
Aroclor-1260							2	136387.2	1.5	140776.5	1	140697.7
Aroclor-1260 (1)							2	84312	1.5	87780	1	88808
Aroclor-1260 (2)							2	130294	1.5	134737.3	1	135067
Aroclor-1260 (3)							2	194555.5	1.5	199812	1	198218
Aroclor-1260 [2C]							2	105165.1	1.5	108340.2	1	111878.7
Aroclor-1260 (1) [2C]							2	104669	1.5	109372	1	114365
Aroclor-1260 (2) [2C]							2	75042	1.5	77698	1	80248
Aroclor-1260 (3) [2C]							2	135784.5	1.5	137950.7	1	141023
Tetrachloro-m-xylene												
Tetrachloro-m-xylene [2C]												
Decachlorobiphenyl												
Decachlorobiphenyl [2C]												

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
		RF		RF		RF		RF		RF		RF
alpha-BHC												
alpha-BHC [2C]												
beta-BHC												
beta-BHC [2C]												
delta-BHC												
delta-BHC [2C]												
gamma-BHC [Lindane]												
gamma-BHC [Lindane] [2C]												
Heptachlor												
Heptachlor [2C]												
Aldrin												
Aldrin [2C]												
Heptachlor Epoxide												
Heptachlor Epoxide [2C]												
Endosulfan I												
Endosulfan I [2C]												
Dieldrin												
Dieldrin [2C]												
4,4'-DDE												
4,4'-DDE [2C]												
Endrin												
Endrin [2C]												
Endosulfan II												
Endosulfan II [2C]												
4,4'-DDD												

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
		RF		RF		RF		RF		RF		RF
4,4'-DDD [2C]												
Endosulfan sulfate												
Endosulfan sulfate [2C]												
4,4'-DDT												
4,4'-DDT [2C]												
Methoxychlor												
Methoxychlor [2C]												
Endrin ketone												
Endrin ketone [2C]												
Endrin aldehyde												
Endrin aldehyde [2C]												
alpha-Chlordane												
alpha-Chlordane [2C]												
gamma-Chlordane												
gamma-Chlordane [2C]												
Toxaphene												
Toxaphene (1)												
Toxaphene (2)												
Toxaphene (3)												
Toxaphene (4)												
Toxaphene [2C]												
Toxaphene (1) [2C]												
Toxaphene (2) [2C]												
Toxaphene (3) [2C]												
Toxaphene (4) [2C]												

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration: 15L1702 Instrument: GCECD_GHF

Calibration Date: 12/11/2015 3:21:36PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
		RF		RF		RF		RF		RF		RF
Aroclor-1016	0.5	87738.66	0.1	99270								
Aroclor-1016 (1)	0.5	50796	0.1	56430								
Aroclor-1016 (2)	0.5	146550	0.1	166760								
Aroclor-1016 (3)	0.5	65870	0.1	74620								
Aroclor-1016 [2C]	0.5	92864.66	0.1	94550								
Aroclor-1016 (1) [2C]	0.5	79186	0.1	87890								
Aroclor-1016 (2) [2C]	0.5	133316	0.1	141390								
Aroclor-1016 (3) [2C]	0.5	66092	0.1	54370								
Aroclor-1260	0.5	153822.7	0.1	172530								
Aroclor-1260 (1)	0.5	100458	0.1	126790								
Aroclor-1260 (2)	0.5	147976	0.1	165120								
Aroclor-1260 (3)	0.5	213034	0.1	225680								
Aroclor-1260 [2C]	0.5	117612.7	0.1	127153.3								
Aroclor-1260 (1) [2C]	0.5	123452	0.1	138210								
Aroclor-1260 (2) [2C]	0.5	84830	0.1	90990								
Aroclor-1260 (3) [2C]	0.5	144556	0.1	152260								
Tetrachloro-m-xylene												
Tetrachloro-m-xylene [2C]												
Decachlorobiphenyl												
Decachlorobiphenyl [2C]												

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1702	Instrument:	GCECD_GHF
		Calibration Date:	12/11/2015 3:21:36PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
alpha-BHC	2.110144E+07	14.77137	CCC (20)	
alpha-BHC [2C]	2.360784E+07	7.195401	CCC (20)	
beta-BHC	1.109409E+07	1.076789	CCC (20)	
beta-BHC [2C]	1.192292E+07	3.947219	CCC (20)	
delta-BHC	1.83164E+07	16.47914	CCC (20)	
delta-BHC [2C]	1.825937E+07	13.14637	CCC (20)	
gamma-BHC [Lindane]	2.066444E+07	11.02438	CCC (20)	
gamma-BHC [Lindane] [2C]	2.327942E+07	4.165534	CCC (20)	
Heptachlor	2.165387E+07	4.469361	CCC (20)	
Heptachlor [2C]	1.676953E+07	5.057556	CCC (20)	
Aldrin	1.921726E+07	8.213038	CCC (20)	
Aldrin [2C]	1.981338E+07	3.313624	CCC (20)	
Heptachlor Epoxide	1.95521E+07	8.397413	CCC (20)	
Heptachlor Epoxide [2C]	1.822586E+07	3.092165	CCC (20)	
Endosulfan I	1.871024E+07	8.486997	CCC (20)	
Endosulfan I [2C]	1.745338E+07	3.780914	CCC (20)	
Dieldrin	1.861059E+07	4.974211	CCC (20)	
Dieldrin [2C]	1.711114E+07	3.994474	CCC (20)	
4,4'-DDE	1.77821E+07	5.573956	CCC (20)	
4,4'-DDE [2C]	1.764388E+07	3.621648	CCC (20)	
Endrin	1.505639E+07	4.363545	CCC (20)	
Endrin [2C]	1.229052E+07	4.286292	CCC (20)	
Endosulfan II	1.634623E+07	2.099215	CCC (20)	
Endosulfan II [2C]	1.508075E+07	2.35761	CCC (20)	
4,4'-DDD	1.362116E+07	4.973044	CCC (20)	

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1702	Instrument:	GCECD_GHF
		Calibration Date:	12/11/2015 3:21:36PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
4,4'-DDD [2C]	1.218305E+07	4.176757	CCC (20)	
Endosulfan sulfate	1.574599E+07	4.027004	CCC (20)	
Endosulfan sulfate [2C]	1.377867E+07	2.423391	CCC (20)	
4,4'-DDT	1.63329E+07	1.880031	CCC (20)	
4,4'-DDT [2C]	1.490089E+07	2.38745	CCC (20)	
Methoxychlor	8826672	12.12139	CCC (20)	
Methoxychlor [2C]	5823606	1.078044	CCC (20)	
Endrin ketone	1.888566E+07	1.98318	CCC (20)	
Endrin ketone [2C]	1.752038E+07	2.405733	CCC (20)	
Endrin aldehyde	1.436256E+07	5.484422	CCC (20)	
Endrin aldehyde [2C]	1.504726E+07	7.127437	CCC (20)	
alpha-Chlordane	1.937443E+07	2.992774	CCC (20)	
alpha-Chlordane [2C]	1.89122E+07	3.559893	CCC (20)	
gamma-Chlordane	1.934307E+07	3.550477	CCC (20)	
gamma-Chlordane [2C]	1.967558E+07	10.62621	CCC (20)	
Toxaphene	203864.7	13.72766	CCC (20)	
Toxaphene (1)	213487.5	11.67638	CCC (20)	
Toxaphene (2)	239197.9	18.22787	CCC (20)	
Toxaphene (3)	290892.1	14.22462	CCC (20)	
Toxaphene (4)	71881.08	7.805989	CCC (20)	
Toxaphene [2C]	364638.2	5.42373	CCC (20)	
Toxaphene (1) [2C]	237756	9.716399	CCC (20)	
Toxaphene (2) [2C]	600798.6	5.038841	CCC (20)	
Toxaphene (3) [2C]	305562.6	16.55623	CCC (20)	
Toxaphene (4) [2C]	314435.4	16.16573	CCC (20)	

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1702	Instrument:	GCECD_GHF
		Calibration Date:	12/11/2015 3:21:36PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Aroclor-1016	83885.82	11.82231	CCC (20)	
Aroclor-1016 (1)	48467.73	10.86868	CCC (20)	
Aroclor-1016 (2)	140187.8	12.15209	CCC (20)	
Aroclor-1016 (3)	63001.9	11.83598	CCC (20)	
Aroclor-1016 [2C]	91221.69	4.490773	CCC (20)	
Aroclor-1016 (1) [2C]	74068.57	12.96864	CCC (20)	
Aroclor-1016 (2) [2C]	135747.8	3.964606	CCC (20)	
Aroclor-1016 (3) [2C]	63848.67	9.471753	CCC (20)	
Aroclor-1260	148842.8	9.92221	CCC (20)	
Aroclor-1260 (1)	97629.6	17.81865	CCC (20)	
Aroclor-1260 (2)	142638.9	9.952057	CCC (20)	
Aroclor-1260 (3)	206259.9	6.257201	CCC (20)	
Aroclor-1260 [2C]	114030	7.602862	CCC (20)	
Aroclor-1260 (1) [2C]	118013.6	11.23782	CCC (20)	
Aroclor-1260 (2) [2C]	81761.6	7.699874	CCC (20)	
Aroclor-1260 (3) [2C]	142314.8	4.544163	CCC (20)	
Tetrachloro-m-xylene	1.763843E+07	6.895314	CCC (20)	
Tetrachloro-m-xylene [2C]	2.077731E+07	14.54672	CCC (20)	
Decachlorobiphenyl	2.630805E+07	13.99851	CCC (20)	
Decachlorobiphenyl [2C]	2.551668E+07	12.30528	CCC (20)	

* Values outside of QC limits

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AROCLOR INITIAL CALIBRATION (SINGLE POINT)

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Instrument ID: GCECD_GHF Col 1 Date(s) Analyzed: 12/11/2015

Lab Number: S5L1105-ARC1

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1221	1.000	1	05.02	04.97	05.07	24891
		2	05.21	05.16	05.26	17538
		3	05.32	05.27	05.37	58633
		4				
		5				
Aroclor 1254	1.000	1	07.98	07.93	08.03	23580
		2	10.35	10.30	10.40	126061
		3	11.26	11.21	11.31	115305
		4				
		5				

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Instrument ID: GCECD_GHF Col 2 Date(s) Analyzed: 12/11/2015

Lab Number: S5L1105-ARC1

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1221	1.000	1	05.57	05.52	05.62	24766
		2	05.84	05.79	05.89	14873
		3	05.96	05.91	06.01	63661
		4				
		5				
Aroclor 1254	1.000	1	09.83	09.78	09.88	65364
		2	11.09	11.04	11.14	92810
		3	12.03	11.98	12.08	116343
		4				
		5				

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AROCLOR INITIAL CALIBRATION (SINGLE POINT)

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Instrument ID: GCECD_GHF Col 1 Date(s) Analyzed: 12/11/2015

Lab Number: S5L1105-ARC2

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1232	1.000	1	05.32	05.27	05.37	42765
		2	06.95	06.90	07.00	61639
		3	07.14	07.09	07.19	26650
		4				
		5				

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Instrument ID: GCECD_GHF Col 2 Date(s) Analyzed: 12/11/2015

Lab Number: S5L1105-ARC2

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1232	1.000	1	05.97	05.92	06.02	51328
		2	07.64	07.59	07.69	64748
		3	07.89	07.84	07.94	33065
		4				
		5				

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AROCLOR INITIAL CALIBRATION (SINGLE POINT)

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Instrument ID: GCECD_GHF Col 1 Date(s) Analyzed: 12/12/2015

Lab Number: S5L1105-ARC3

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1242	1.000	1	06.45	06.40	06.50	36754
		2	06.95	06.90	07.00	105389
		3	08.21	08.16	08.26	43201
		4				
		5				

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Instrument ID: GCECD_GHF Col 2 Date(s) Analyzed: 12/12/2015

Lab Number: S5L1105-ARC3

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1242	1.000	1	06.74	06.69	06.79	56537
		2	07.63	07.58	07.68	109060
		3	07.88	07.83	07.93	55029
		4				
		5				

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AROCLOR INITIAL CALIBRATION (SINGLE POINT)

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Instrument ID: GCECD_GHF Col 1 Date(s) Analyzed: 12/12/2015

Lab Number: S5L1105-ARC4

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1248	1.000	1	06.95	06.90	07.00	67168
		2	07.14	07.09	07.19	26763
		3	08.21	08.16	08.26	58184
		4				
		5				

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Instrument ID: GCECD_GHF Col 2 Date(s) Analyzed: 12/12/2015

Lab Number: S5L1105-ARC4

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor 1248	1.000	1	07.64	07.59	07.69	62830
		2	07.90	07.85	07.95	22913
		3	08.96	08.91	09.01	62754
		4				
		5				

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Breakdown Report

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Lab Sample ID: S5L1105-PEM1 Analyzed: 12/11/2015

Column Number: 1

Analyte	% Breakdown
Endrin	8.48
4.4'-DDT	1.30

Column Number: 2

Analyte	% Breakdown
Endrin	10.45
4.4'-DDT	0.42

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14601.D\ECD1A.CH Vial: 2
Signal #2 : D:\G\DATA\DEC15\G1211\G14601.D\ECD2B.CH
Acq On : 11 Dec 2015 8:33 Operator: JAM
Sample : S5L1105-PEM1 Inst : GCECD_GH
Misc : DDT/ENDRIN 0.1 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 9:43 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Initial Calibration
DataAcq Meth : PG81209.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
12) B	4,4'-DDE	9.72	10.45	5908	6550	0.003	0.004
14) AM	Endrin	10.22	11.23	1890000	1513492	0.931	0.889
16) A	4,4'-DDD	10.49	0.00	18432	0	0.010	N.D. #
17) AM	4,4'-DDT	11.17	12.02	1853204	1568808	0.831	0.845
18) B	Endrin Aldehyde	10.73	12.24	63436	70388	0.048	0.054m
21) B	Endrin Ketone	12.03	13.81	111628	106292	0.063	0.068

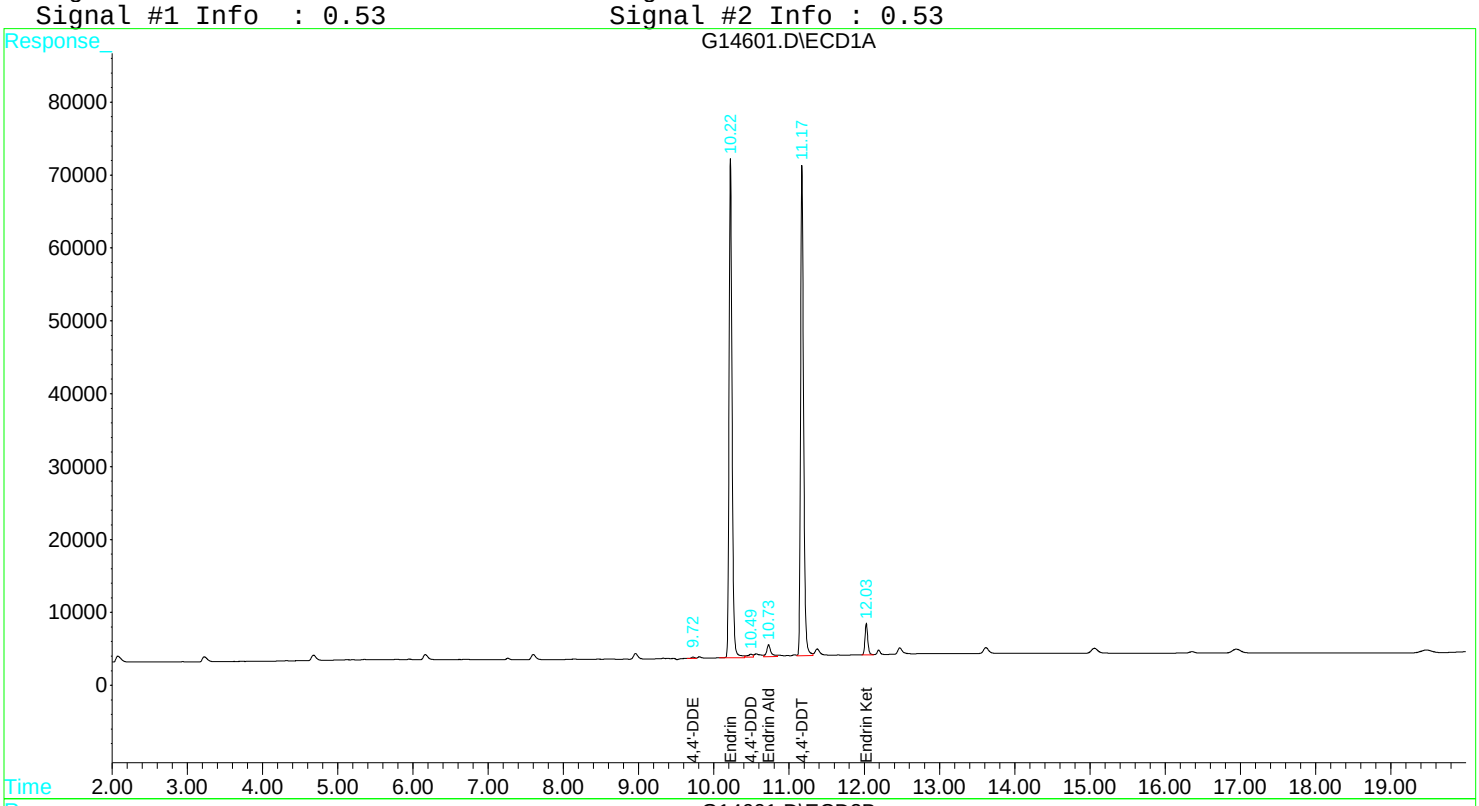
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

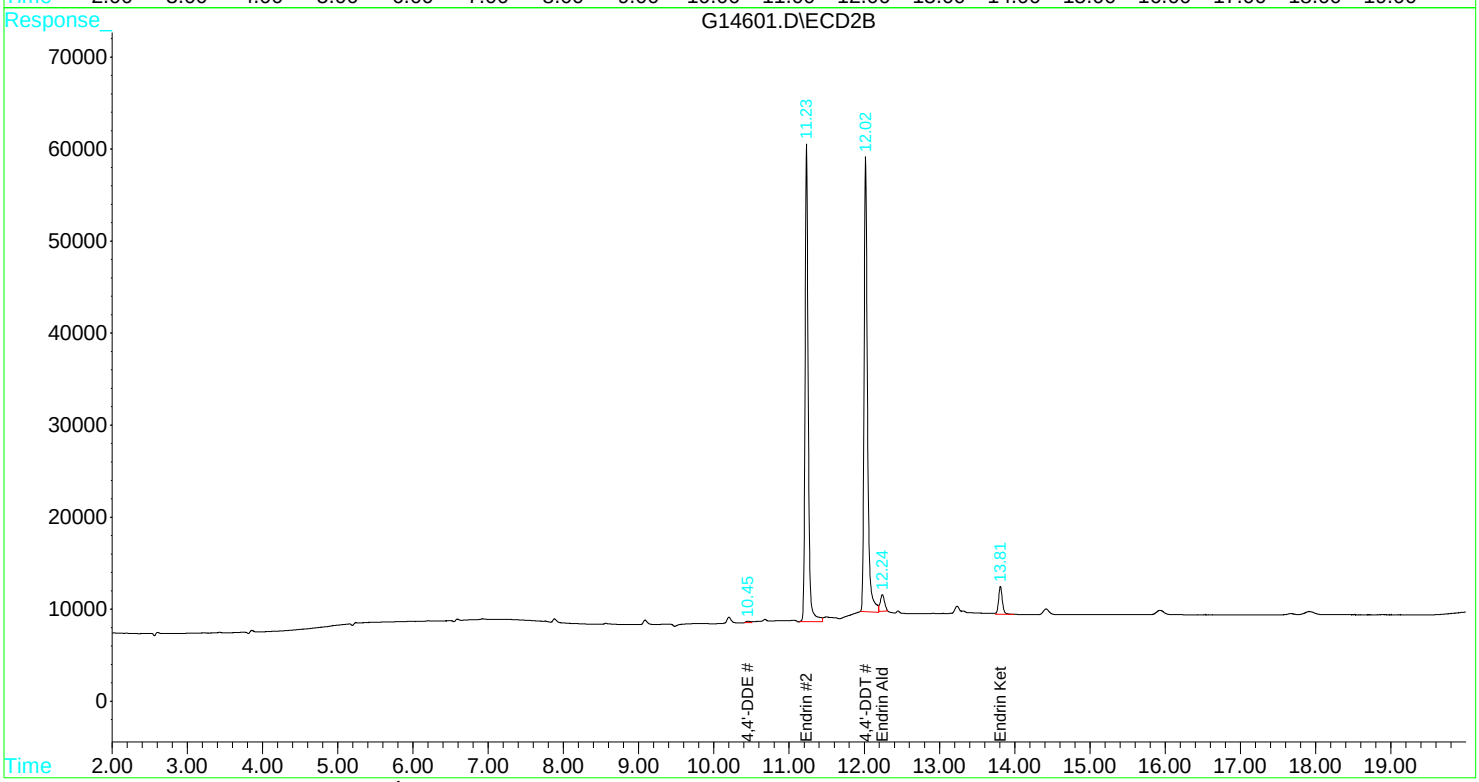
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14601.D\ECD1A.CH Vial: 2
Signal #2 : D:\G\DATA\DEC15\G1211\G14601.D\ECD2B.CH
Acq On : 11 Dec 2015 8:33 Operator: JAM
Sample : S5L1105-PEM1 Inst : GCECD_GH
Misc : DDT/ENDRIN 0.1 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 9:43 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81209.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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Breakdown Report

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Lab Sample ID: S5L2801-PEM1 Analyzed: 12/28/2015

Column Number: 1

Analyte	% Breakdown
Endrin	7.40
4.4'-DDT	0.51

Column Number: 2

Analyte	% Breakdown
Endrin	8.22
4.4'-DDT	0.62

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14787.D\ECD1A.CH Vial: 2
Signal #2 : D:\G\DATA\DEC15\G1228\G14787.D\ECD2B.CH
Acq On : 28 Dec 2015 9:08 Operator: JAM
Sample : S5L2801-PEM1 Inst : GCECD_GH
Misc : DDT/ENDRIN 0.1 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 9:35 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		System Monitoring Compounds							
		Target Compounds							
12)	B	4,4'-DDE	9.70	10.40	7216	10102	0.004	0.006	#
14)	AM	Endrin	10.20	11.21	2474508	2054114	1.643	1.671	
16)	A	4,4'-DDD	10.47	0.00	2406	0	0.002	N.D.	#
17)	AM	4,4'-DDT	11.15	11.99	1862274	1623362	1.140	1.089	
18)	B	Endrin Aldehyde	10.71	12.21	54488	57538	0.038	0.038	
21)	B	Endrin Ketone	12.00	13.78f	143284	126470	0.076	0.072	

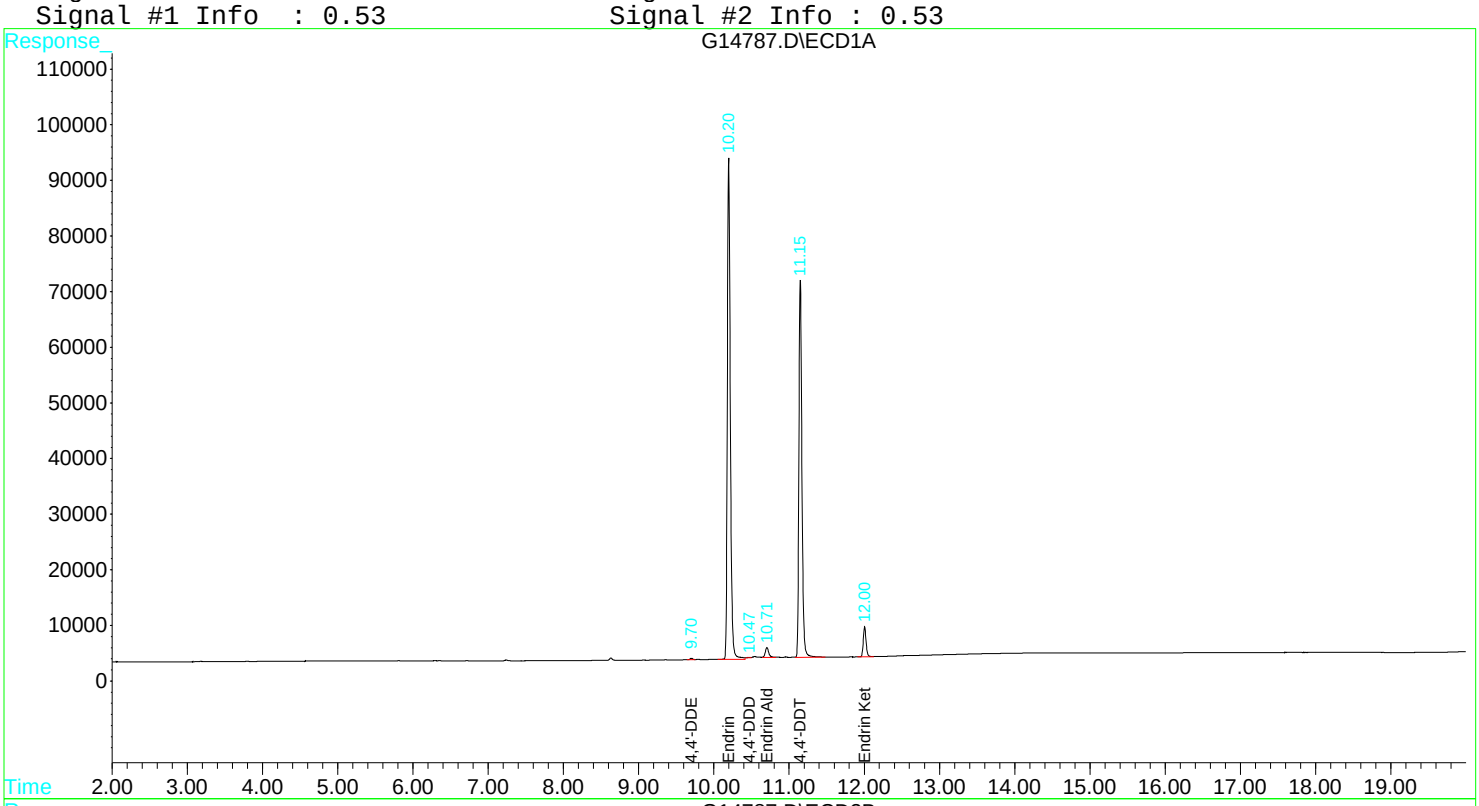
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

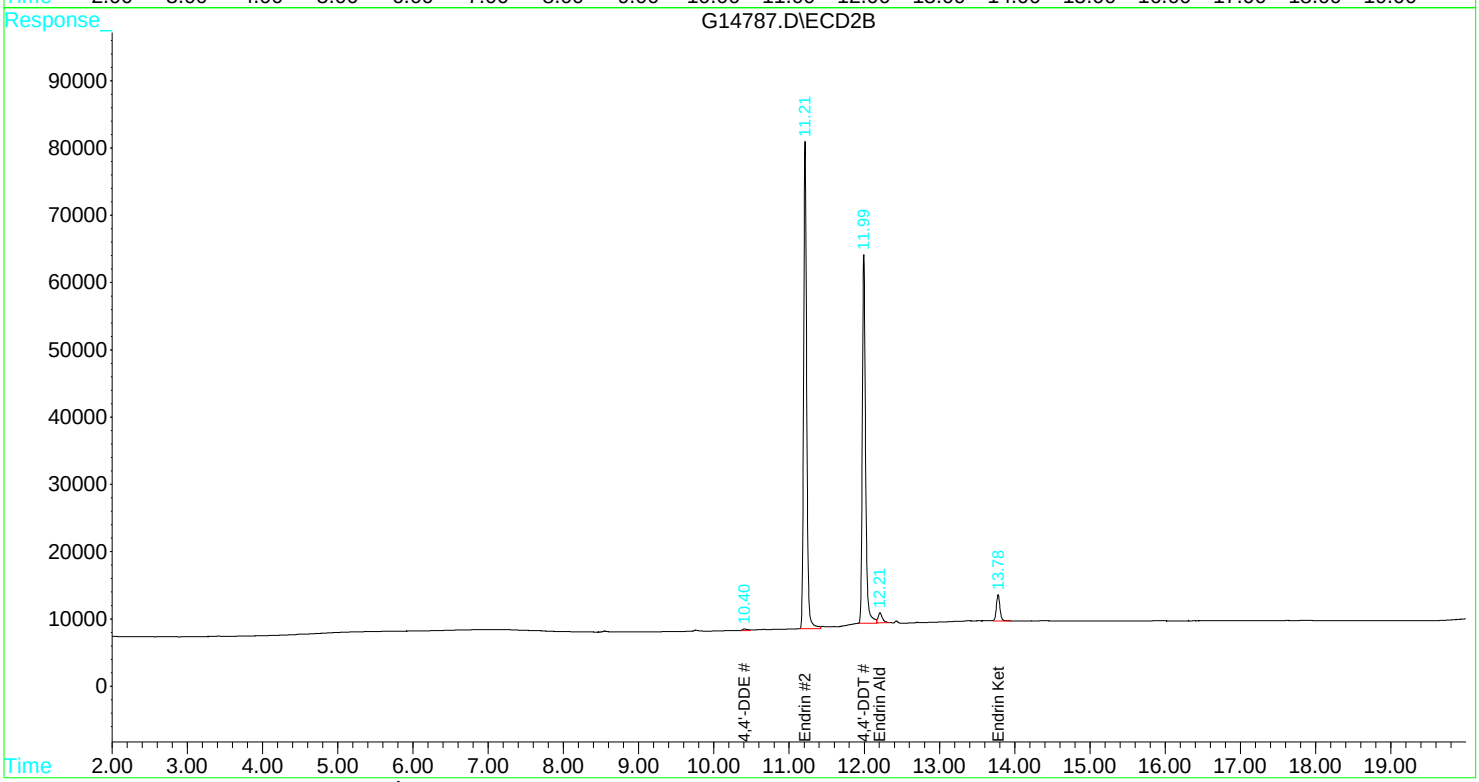
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14787.D\ECD1A.CH Vial: 2
Signal #2 : D:\G\DATA\DEC15\G1228\G14787.D\ECD2B.CH
Acq On : 28 Dec 2015 9:08 Operator: JAM
Sample : S5L2801-PEM1 Inst : GCECD_GH
Misc : DDT/ENDRIN 0.1 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 9:35 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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CONTINUING CALIBRATION VERIFICATION

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GCECD_GHF	Calibration:	15L1702
Lab File ID:	G14788.D	Calibration Date:	12/11/15 15:21
Sequence:	S5L2801	Injection Date:	12/28/15
Lab Sample ID:	S5L2801-CCV1	Injection Time:	09:37

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
alpha-BHC	A	0.0200	0.0217	2.110144E+07	2.28624E+07		8.3	20
alpha-BHC [2C]	A	0.0200	0.0210	2.360784E+07	2.4748E+07		4.8	20
gamma-BHC [Lindane]	A	0.0200	0.0217	2.066444E+07	2.23817E+07		8.3	20
gamma-BHC [Lindane] [2C]	A	0.0200	0.0219	2.327942E+07	2.54995E+07		9.5	20
Heptachlor	A	0.0200	0.0214	2.165387E+07	2.31449E+07		6.9	20
Heptachlor [2C]	A	0.0200	0.0230	1.676953E+07	1.9289E+07		15.0	20
Endosulfan I	A	0.0200	0.0207	1.871024E+07	1.93581E+07		3.5	20
Endosulfan I [2C]	A	0.0200	0.0215	1.745338E+07	1.87364E+07		7.4	20
Dieldrin	A	0.0400	0.0436	1.861059E+07	2.02691E+07		8.9	20
Dieldrin [2C]	A	0.0400	0.0424	1.711114E+07	1.81505E+07		6.1	20
Endrin	A	0.0400	0.0429	1.505639E+07	1.61652E+07		7.4	20
Endrin [2C]	A	0.0400	0.0447	1.229052E+07	1.37445E+07		11.8	20
4,4'-DDD	A	0.0400	0.0425	1.362116E+07	1.445645E+07		6.1	20
4,4'-DDD [2C]	A	0.0400	0.0429	1.218305E+07	1.306695E+07		7.3	20
4,4'-DDT	A	0.0400	0.0411	1.63329E+07	1.678575E+07		2.8	20
4,4'-DDT [2C]	A	0.0400	0.0408	1.490089E+07	1.520545E+07		2.0	20
Methoxychlor	A	0.200	0.196	8826672	8636120		-2.2	20
Methoxychlor [2C]	A	0.200	0.225	5823606	6545630		12.4	20
Tetrachloro-m-xylene	A	0.0200	0.0214	1.763843E+07	1.88396E+07		6.8	20
Tetrachloro-m-xylene [2C]	A	0.0200	0.0193	2.077731E+07	2.0069E+07		-3.4	20
Decachlorobiphenyl	A	0.0400	0.0411	2.630805E+07	2.703955E+07		2.8	20
Decachlorobiphenyl [2C]	A	0.0400	0.0389	2.551668E+07	2.48016E+07		-2.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14788.D\ECD1A.CH Vial: 3
Signal #2 : D:\G\DATA\DEC15\G1228\G14788.D\ECD2B.CH
Acq On : 28 Dec 2015 9:37 Operator: JAM
Sample : S5L2801-CCV1 Inst : GCECD_GH
Misc : MIX A 0.02 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 10:05 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.62	4.92	376792	401380	0.214	0.193m
	Spiked Amount 1.000	Range 30 - 150		Recovery =		21.40%#	19.30%#
22) AS	Decachlorobiphen	16.31	17.62f	1081582	992064	0.411	0.389
	Spiked Amount 1.000	Range 30 - 150		Recovery =		41.10%	38.90%
	Target Compounds						
2) A	alpha-BHC	5.33	6.18	457248	494960	0.217	0.210
3) AM	gamma-BHC (Linda	5.93	6.90	447634	509990	0.217	0.219
4) AM	Heptachlor	7.24	7.75	462898	385780	0.214	0.230m
9) A	Endosulfan I	9.30	10.17	387162	374728	0.207	0.215
13) AM	Dieldrin	9.79	10.66	810764	726020	0.436	0.424
14) AM	Endrin	10.20	11.21	646608	549780	0.429	0.447
16) A	4,4'-DDD	10.47	11.45	578258	522678	0.425	0.429
17) AM	4,4'-DDT	11.15	11.99	671430	608218	0.411	0.408
20) A	Methoxychlor	12.17	13.27	1727224	1309126	1.957	2.248

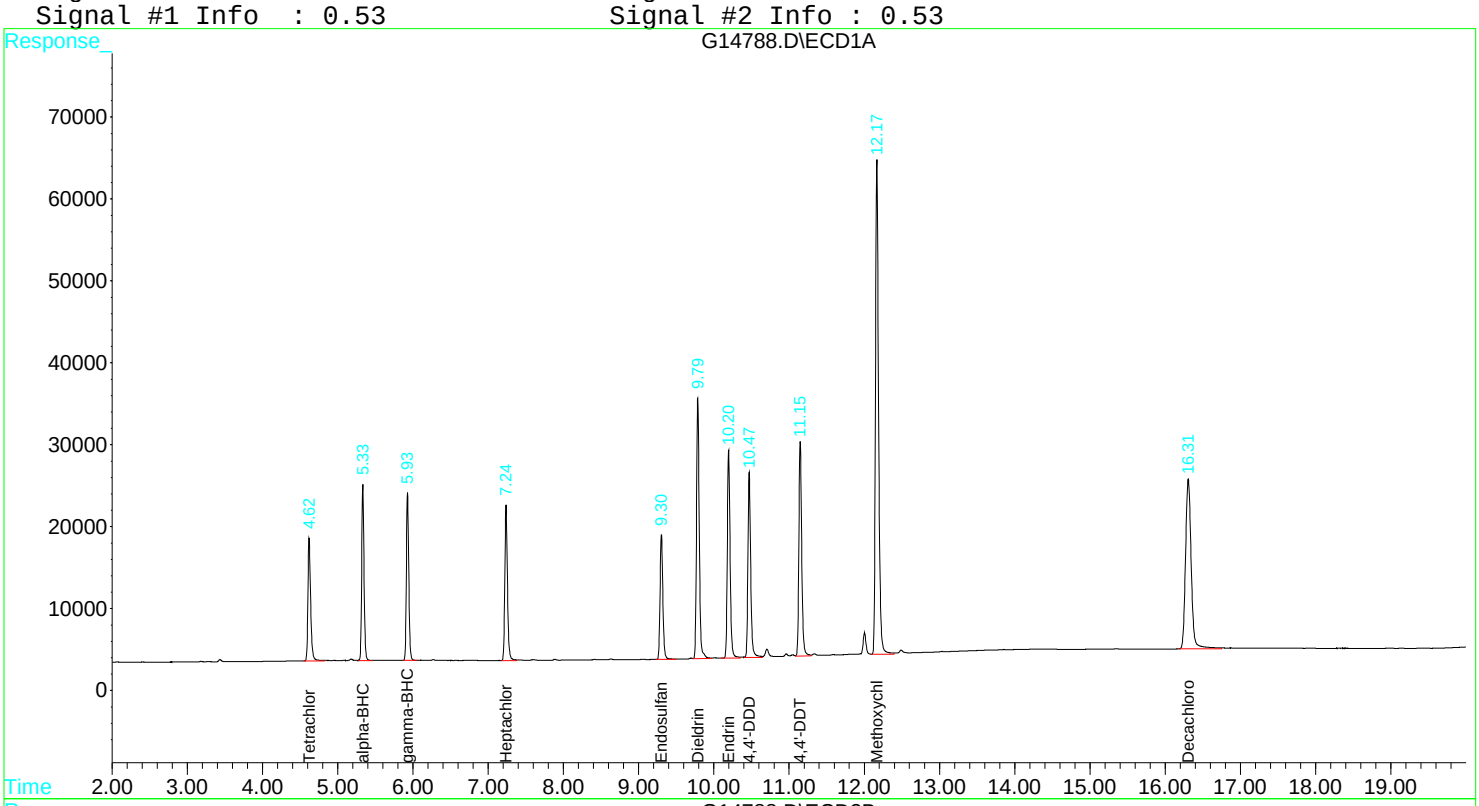
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

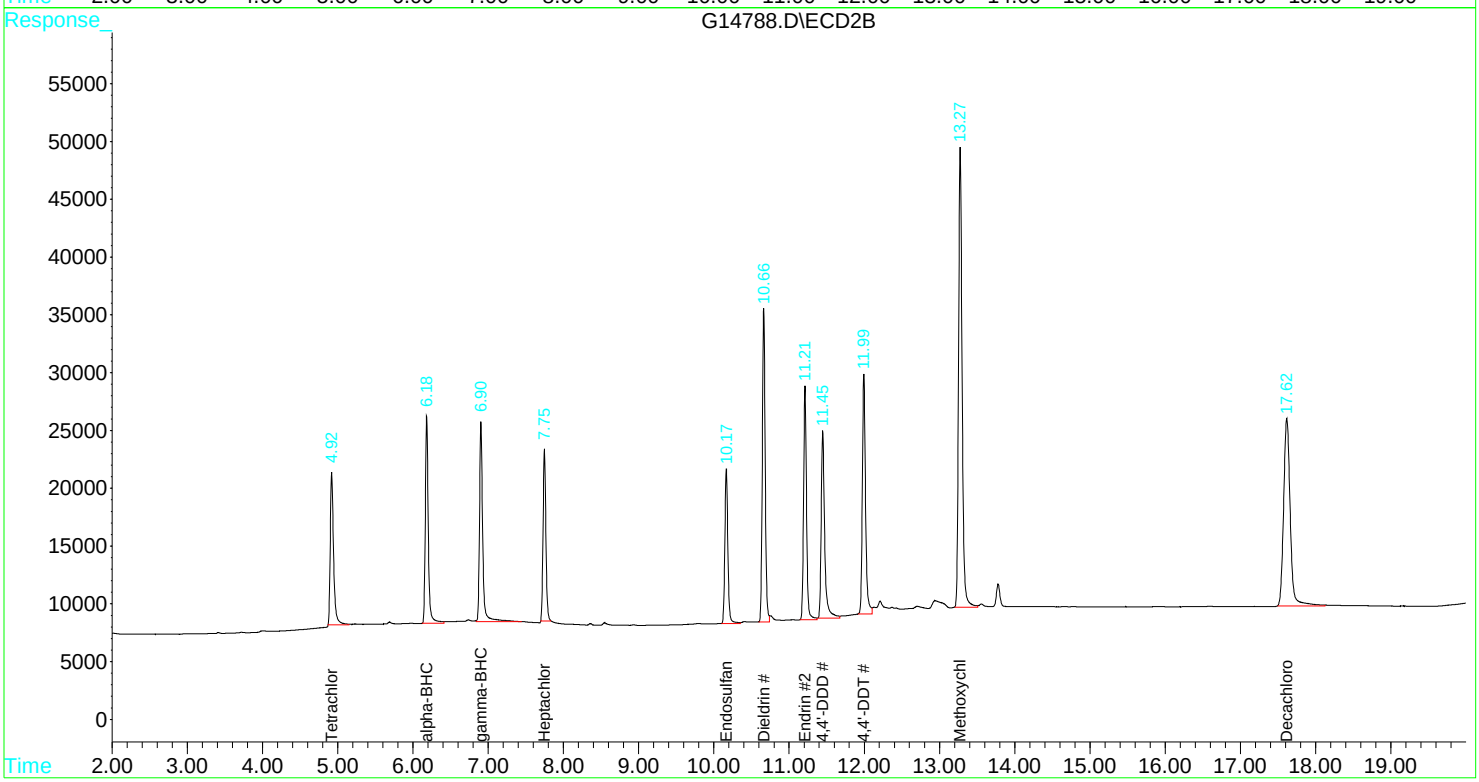
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14788.D\ECD1A.CH Vial: 3
Signal #2 : D:\G\DATA\DEC15\G1228\G14788.D\ECD2B.CH
Acq On : 28 Dec 2015 9:37 Operator: JAM
Sample : S5L2801-CCV1 Inst : GCECD_GH
Misc : MIX A 0.02 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 10:05 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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CONTINUING CALIBRATION VERIFICATION

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GCECD_GHF	Calibration:	15L1702
Lab File ID:	G14789.D	Calibration Date:	12/11/15 15:21
Sequence:	S5L2801	Injection Date:	12/28/15
Lab Sample ID:	S5L2801-CCV2	Injection Time:	10:06

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
beta-BHC	A	0.0200	0.0210	1.109409E+07	1.16528E+07		5.0	20
beta-BHC [2C]	A	0.0200	0.0225	1.192292E+07	1.34426E+07		12.7	20
delta-BHC	A	0.0200	0.0212	1.83164E+07	1.9431E+07		6.1	20
delta-BHC [2C]	A	0.0200	0.0216	1.825937E+07	1.97615E+07		8.2	20
Aldrin	A	0.0200	0.0208	1.921726E+07	1.99435E+07		3.8	20
Aldrin [2C]	A	0.0200	0.0205	1.981338E+07	2.02881E+07		2.4	20
Heptachlor Epoxide	A	0.0200	0.0197	1.95521E+07	1.92664E+07		-1.5	20
Heptachlor Epoxide [2C]	A	0.0200	0.0206	1.822586E+07	1.87633E+07		2.9	20
4,4'-DDE	A	0.0400	0.0419	1.77821E+07	1.86182E+07		4.7	20
4,4'-DDE [2C]	A	0.0400	0.0418	1.764388E+07	1.84541E+07		4.6	20
Endosulfan II	A	0.0400	0.0416	1.634623E+07	1.69894E+07		3.9	20
Endosulfan II [2C]	A	0.0400	0.0413	1.508075E+07	1.55894E+07		3.4	20
Endosulfan sulfate	A	0.0400	0.0423	1.574599E+07	1.66659E+07		5.8	20
Endosulfan sulfate [2C]	A	0.0400	0.0415	1.377867E+07	1.429925E+07		3.8	20
Endrin ketone	A	0.0400	0.0417	1.888566E+07	1.969215E+07		4.3	20
Endrin ketone [2C]	A	0.0400	0.0401	1.752038E+07	1.756215E+07		0.2	20
Endrin aldehyde	A	0.0400	0.0416	1.436256E+07	1.494275E+07		4.0	20
Endrin aldehyde [2C]	A	0.0400	0.0364	1.504726E+07	1.369885E+07		-9.0	20
alpha-Chlordane	A	0.0200	0.0205	1.937443E+07	1.98716E+07		2.6	20
alpha-Chlordane [2C]	A	0.0200	0.0205	1.89122E+07	1.94115E+07		2.6	20
gamma-Chlordane	A	0.0200	0.0206	1.934307E+07	1.99011E+07		2.9	20
gamma-Chlordane [2C]	A	0.0200	0.0197	1.967558E+07	1.94065E+07		-1.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14789.D\ECD1A.CH Vial: 4
Signal #2 : D:\G\DATA\DEC15\G1228\G14789.D\ECD2B.CH
Acq On : 28 Dec 2015 10:06 Operator: JAM
Sample : S5L2801-CCV2 Inst : GCECD_GH
Misc : MIX B 0.02 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 10:33 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
5)	BM	Aldrin	7.89	8.36	398870	405762	0.208	0.205
6)	B	beta-BHC	5.81	7.10	233056	268852	0.210	0.225
7)	B	delta-BHC	6.35	7.68	388620	395230	0.212	0.216
8)	B	Heptachlor Epoxi	8.63	9.45	385328	375266	0.197	0.206
10)	B	gamma-Chlordane	9.06	9.80	398022	388130	0.206	0.197
11)	B	alpha-Chlordane	9.34	10.06	397432	388230	0.205	0.205
12)	B	4,4'-DDE	9.70	10.40	744728	738164	0.419	0.418
15)	B	Endosulfan II	10.36f	11.60	679576	623576	0.416	0.413
18)	B	Endrin Aldehyde	10.70f	12.21	597710	547954	0.416	0.364
19)	B	Endosulfan Sulfa	11.13	12.70	666636	571970	0.423	0.415
21)	B	Endrin Ketone	12.00f	13.78f	787686	702486	0.417	0.401

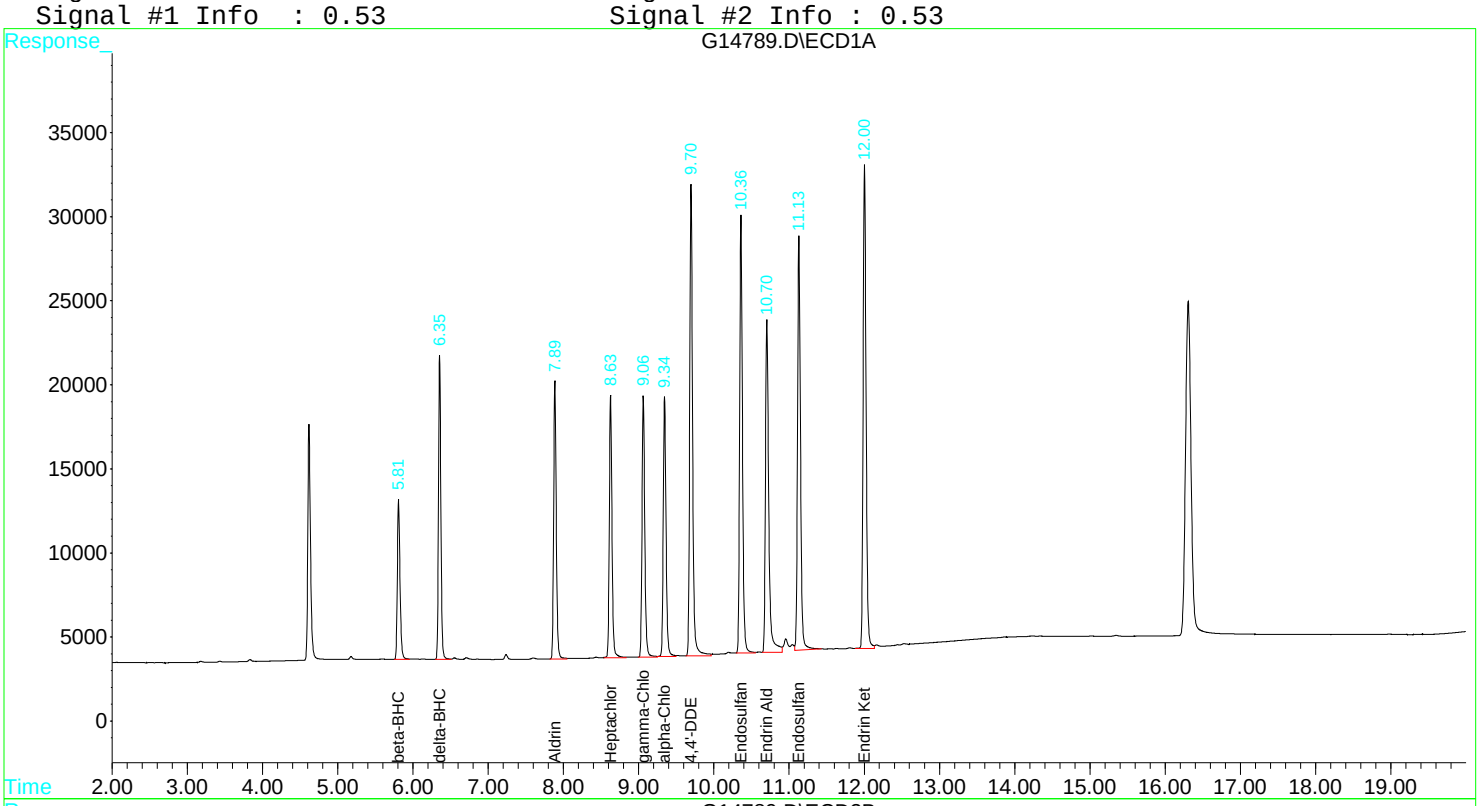
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

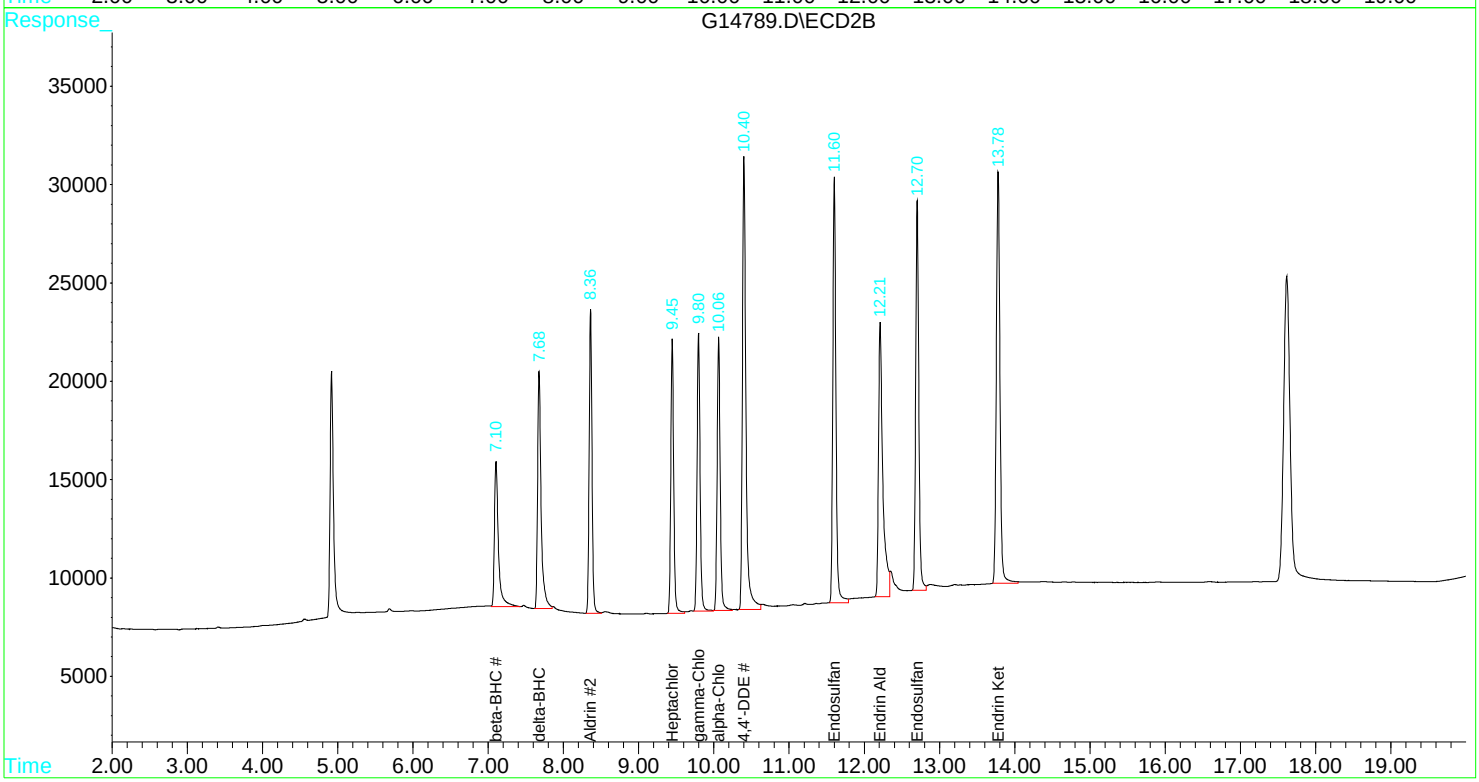
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14789.D\ECD1A.CH Vial: 4
Signal #2 : D:\G\DATA\DEC15\G1228\G14789.D\ECD2B.CH
Acq On : 28 Dec 2015 10:06 Operator: JAM
Sample : S5L2801-CCV2 Inst : GCECD_GH
Misc : MIX B 0.02 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 10:33 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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CONTINUING CALIBRATION VERIFICATION

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GCECD_GHF	Calibration:	15L1702
Lab File ID:	G14790.D	Calibration Date:	12/11/15 15:21
Sequence:	S5L2801	Injection Date:	12/28/15
Lab Sample ID:	S5L2801-CCV3	Injection Time:	11:19

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Toxaphene	A	2.50	2.38	203864.7	193122.6		-5.3	20
Toxaphene (1)	A	2.50	2.31	213487.5	197528		-7.5	20
Toxaphene (2)	A	2.50	2.33	239197.9	223147.2		-6.7	20
Toxaphene (3)	A	2.50	2.41	290892.1	280364.8		-3.6	20
Toxaphene (4)	A	2.50	2.48	71881.08	71450.4		-0.6	20
Toxaphene [2C]	A	2.50	2.48	364638.2	363247.8		-0.4	20
Toxaphene (1) [2C]	A	2.50	2.45	237756	232834.4		-2.1	20
Toxaphene (2) [2C]	A	2.50	2.54	600798.6	611260.8		1.7	20
Toxaphene (3) [2C]	A	2.50	2.38	305562.6	291504		-4.6	20
Toxaphene (4) [2C]	A	2.50	2.52	314435.4	317392		0.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14790.D\ECD1A.CH Vial: 5
Signal #2 : D:\G\DATA\DEC15\G1228\G14790.D\ECD2B.CH
Acq On : 28 Dec 2015 11:19 Operator: JAM
Sample : S5L2801-CCV3 Inst : GCECD_GH
Misc : TOXAPHENE 2.5 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 11:47 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
23)	Toxaphene {1}	9.72	10.64	493820	582086	23.131m	24.482
24)	Toxaphene {2}	10.61	11.75	557868	1528152	23.322m	25.435m
25)	Toxaphene {3}	11.95	12.22	700912	728760	24.095m	23.850m
26)	Toxaphene {4}	12.41	13.16	178626	793480	24.850m	25.235m

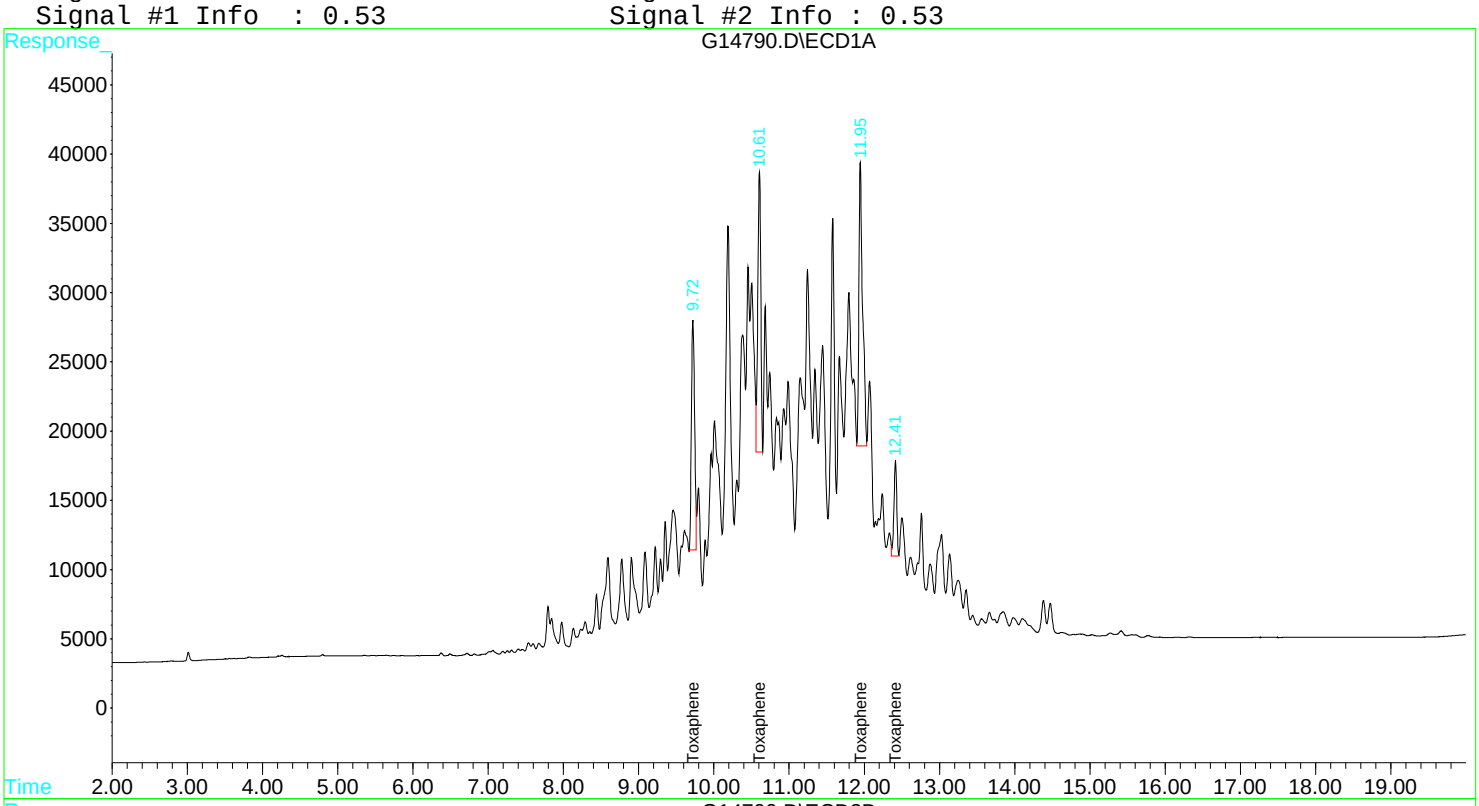
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

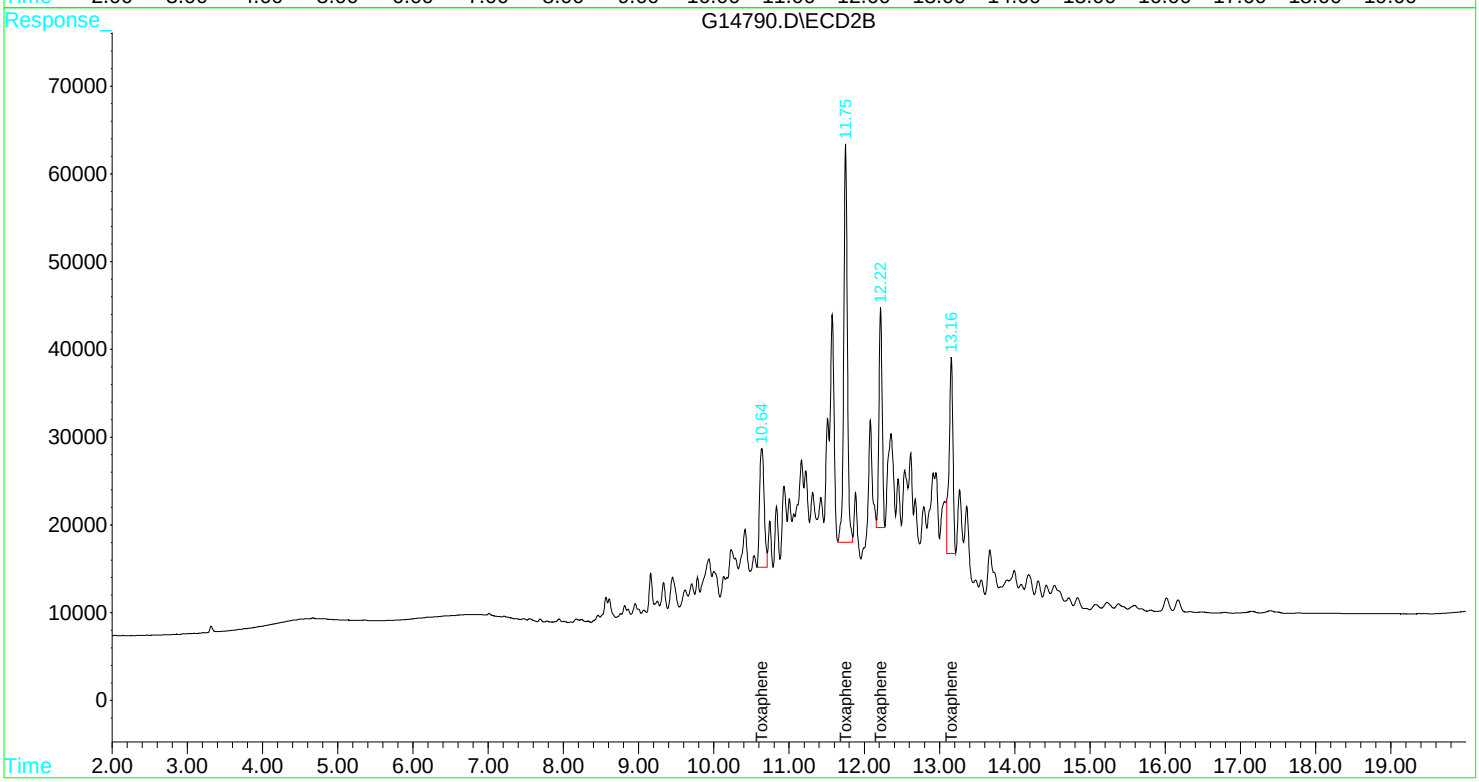
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14790.D\ECD1A.CH Vial: 5
Signal #2 : D:\G\DATA\DEC15\G1228\G14790.D\ECD2B.CH
Acq On : 28 Dec 2015 11:19 Operator: JAM
Sample : S5L2801-CCV3 Inst : GCECD_GH
Misc : TOXAPHENE 2.5 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 11:47 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:38:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





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CONTINUING CALIBRATION VERIFICATION

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GCECD_GHF	Calibration:	15L1702
Lab File ID:	G14791.D	Calibration Date:	12/11/15 15:21
Sequence:	S5L2801	Injection Date:	12/28/15
Lab Sample ID:	S5L2801-CCV4	Injection Time:	11:49

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Aroclor-1016	A	1.00	1.01	83885.82	84571.33		0.8	20
Aroclor-1016 (1)	A	1.00	1.02	48467.73	49372		1.9	20
Aroclor-1016 (2)	A	1.00	1.01	140187.8	141045		0.6	20
Aroclor-1016 (3)	A	1.00	1.00	63001.9	63297		0.5	20
Aroclor-1016 [2C]	A	1.00	1.08	91221.69	99344.67		8.9	20
Aroclor-1016 (1) [2C]	A	1.00	1.05	74068.57	77557		4.7	20
Aroclor-1016 (2) [2C]	A	1.00	1.12	135747.8	152617		12.4	20
Aroclor-1016 (3) [2C]	A	1.00	1.06	63848.67	67860		6.3	20
Aroclor-1260	A	1.00	1.02	148842.8	153227.3		2.9	20
Aroclor-1260 (1)	A	1.00	0.975	97629.6	95191		-2.5	20
Aroclor-1260 (2)	A	1.00	1.03	142638.9	147127		3.1	20
Aroclor-1260 (3)	A	1.00	1.05	206259.9	217364		5.4	20
Aroclor-1260 [2C]	A	1.00	1.10	114030	125446.3		10.0	20
Aroclor-1260 (1) [2C]	A	1.00	1.12	118013.6	131833		11.7	20
Aroclor-1260 (2) [2C]	A	1.00	1.11	81761.6	90952		11.2	20
Aroclor-1260 (3) [2C]	A	1.00	1.08	142314.8	153554		7.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14791.D\ECD1A.CH Vial: 6
Signal #2 : D:\G\DATA\DEC15\G1228\G14791.D\ECD2B.CH
Acq On : 28 Dec 2015 11:49 Operator: JAM
Sample : S5L2801-CCV4 Inst : GCECD_GH
Misc : A1016/1260 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 12:31 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	TCMX	4.62	4.92	42902	42501	0.226	0.187m
	Spiked Amount 1.000			Recovery =		22.60%	18.70%
29) AS	DCB	16.31f	17.62f	58750	55402	0.198m	0.194m
	Spiked Amount 1.000			Recovery =		19.80%	19.40%
	Target Compounds						
2) L1	Aroclor-1016	6.43f	6.70f	49372	77557	10.187	10.471
3) L1	Aroclor-1016 {2}	6.93f	7.59f	141045	152617	10.061	11.243m
4) L1	Aroclor-1016 {3}	7.12f	7.84f	63297	67860	10.047	10.628m
20) L7	Aroclor-1260	10.30f	11.35f	95191	131833	9.750	11.171
21) L7	Aroclor-1260 {2}	11.24f	12.67f	147127	90952	10.315	11.124
22) L7	Aroclor-1260 {3}	12.44f	13.94f	217364	153554	10.538	10.790m

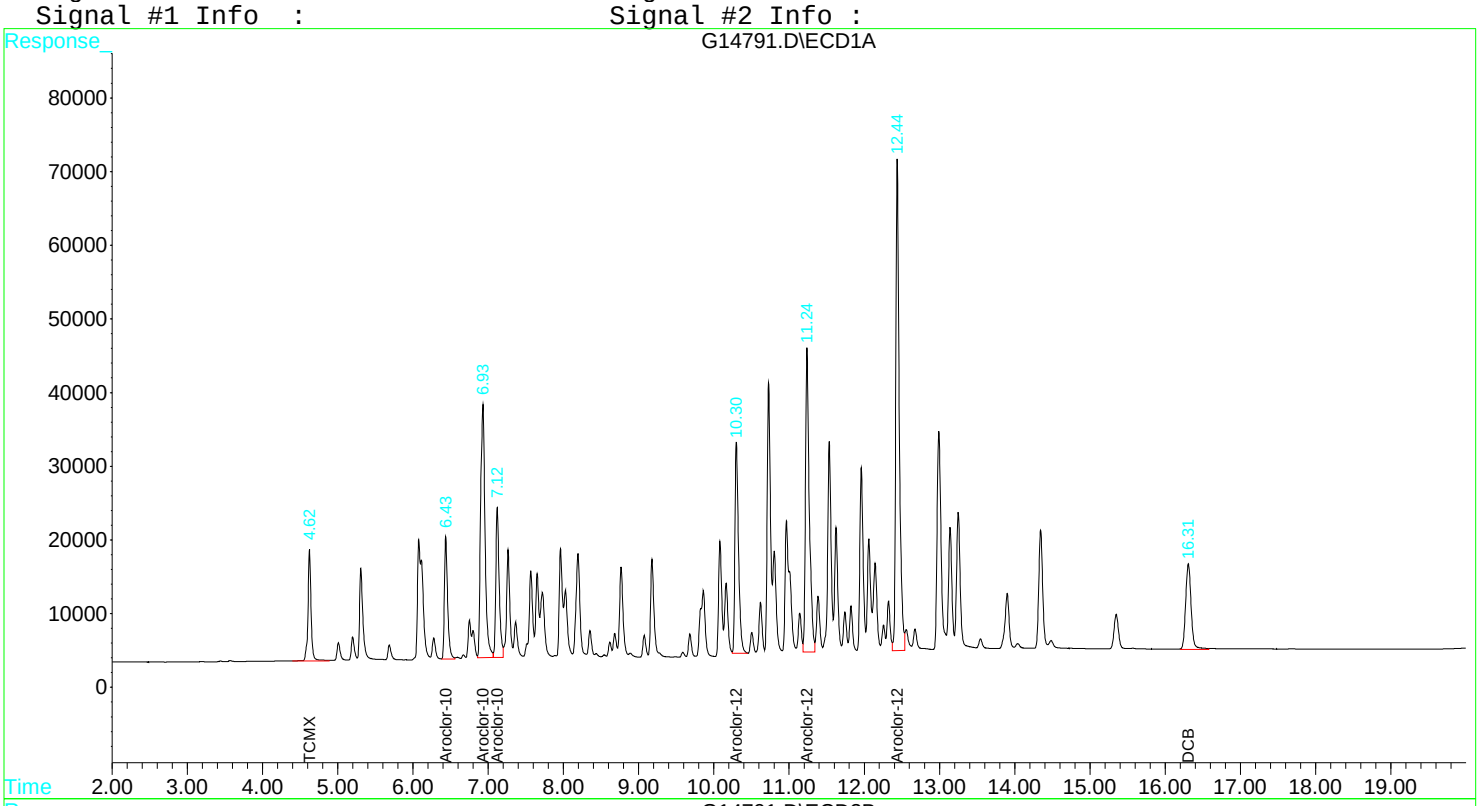
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

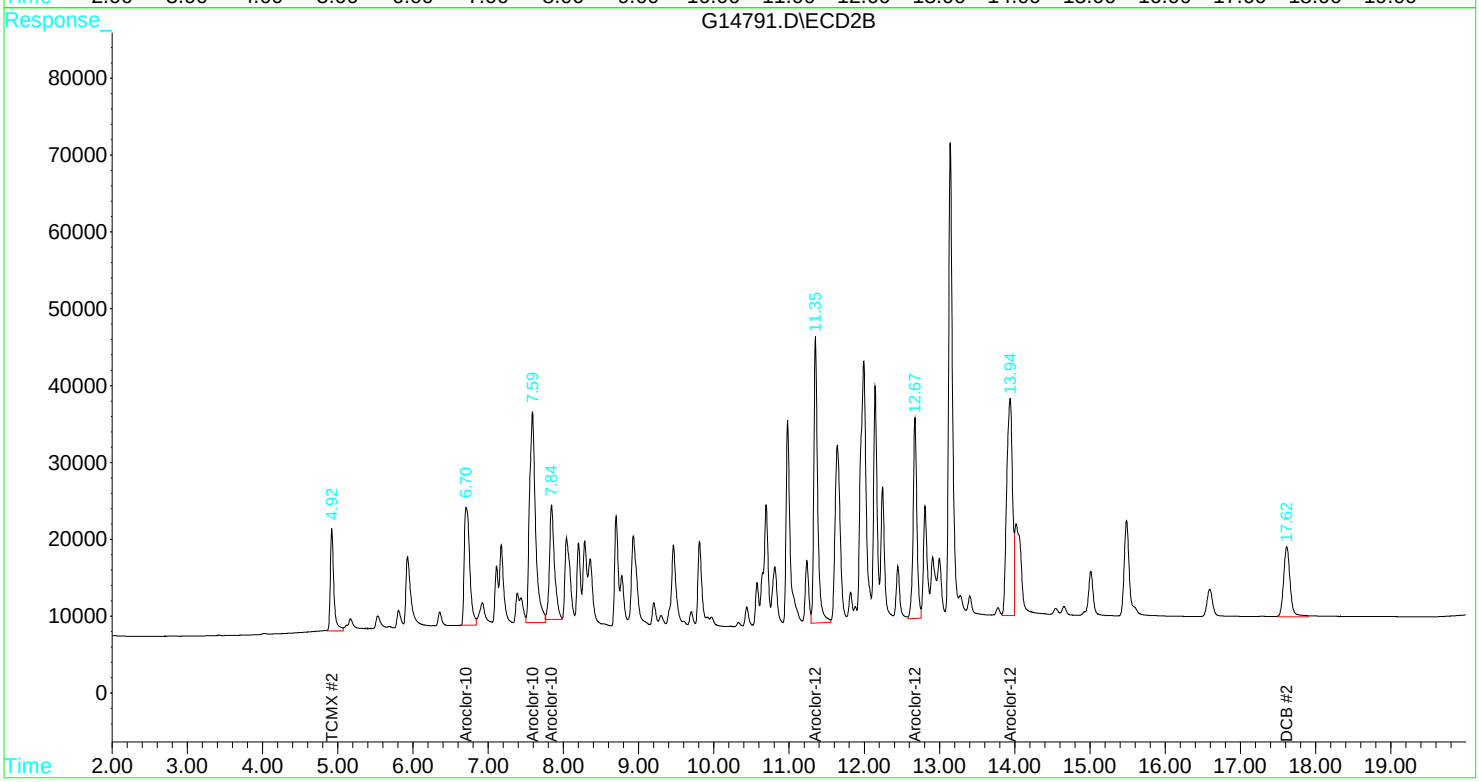
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1228\G14791.D\ECD1A.CH Vial: 6
Signal #2 : D:\G\DATA\DEC15\G1228\G14791.D\ECD2B.CH
Acq On : 28 Dec 2015 11:49 Operator: JAM
Sample : S5L2801-CCV4 Inst : GCECD_GH
Misc : A1016/1260 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 28 12:31 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 10:09:57 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





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CALIBRATION VERIFICATION SUMMARY

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Client Sample No. (Calib##): Calibration Check
Lab Sample ID (Calib): S5L2801-CCV1(1)
Init. Calib. Date(s): 12/11/2015
Date Analyzed: 12/28/2015 0937

Individual Mix Compound	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
alpha-BHC	05.33	05.28	05.38	21101440	22862400	8.3
gamma-BHC [Lindane]	05.93	05.88	05.98	20664440	22381700	8.3
Heptachlor	07.24	07.19	07.29	21653870	23144900	6.9
Endosulfan I	09.30	09.25	09.35	18710240	19358100	3.5
Dieldrin	09.79	09.74	09.84	18610590	20269100	8.9
Endrin	10.20	10.15	10.25	15056390	16165200	7.4
4,4'-DDD	10.47	10.42	10.52	13621160	14456450	6.1
4,4'-DDT	11.15	11.10	11.20	16332900	16785750	2.8
Methoxychlor	12.17	12.12	12.22	8826672	8636120	-2.2
Tetrachloro-m-xylene	04.62	04.57	04.67	17638430	18839600	6.8
Decachlorobiphenyl	16.31	16.26	16.36	26308050	27039550	2.8

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Client Sample No. (Calib##): Calibration Check
Lab Sample ID (Calib): S5L2801-CCV1(2)
Init. Calib. Date(s): 12/11/2015
Date Analyzed: 12/28/2015 0937

Individual Mix Compound	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
alpha-BHC	06.18	06.13	06.23	23607840	24748000	4.8
gamma-BHC [Lindane]	06.90	06.85	06.95	23279420	25499500	9.5
Heptachlor	07.75	07.70	07.80	16769530	19289000	15.0
Endosulfan I	10.17	10.12	10.22	17453380	18736400	7.4
Dieldrin	10.66	10.61	10.71	17111140	18150500	6.1
Endrin	11.21	11.16	11.26	12290520	13744500	11.8
4,4'-DDD	11.45	11.40	11.50	12183050	13066950	7.3
4,4'-DDT	11.99	11.94	12.04	14900890	15205450	2.0
Methoxychlor	13.27	13.22	13.32	5823606	6545630	12.4
Tetrachloro-m-xylene	04.92	04.87	04.97	20777310	20069000	-3.4
Decachlorobiphenyl	17.62	17.57	17.67	25516680	24801600	-2.8

Accredited Analytical Resources, LLC.

CALIBRATION VERIFICATION SUMMARY

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Client Sample No. (Calib##): Calibration Check
Lab Sample ID (Calib): S5L2801-CCV2(1)
Init. Calib. Date(s): 12/11/2015
Date Analyzed: 12/28/2015 1006

Individual Mix Compound	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
beta-BHC	05.81	05.76	05.86	11094090	11652800	5.0
delta-BHC	06.35	06.30	06.40	18316400	19431000	6.1
Aldrin	07.89	07.84	07.94	19217260	19943500	3.8
Heptachlor Epoxide	08.63	08.58	08.68	19552100	19266400	-1.5
4,4'-DDE	09.70	09.65	09.75	17782100	18618200	4.7
Endosulfan II	10.36	10.31	10.41	16346230	16989400	3.9
Endosulfan sulfate	11.13	11.08	11.18	15745990	16665900	5.8
Endrin ketone	12.00	11.95	12.05	18885660	19692150	4.3
Endrin aldehyde	10.70	10.65	10.75	14362560	14942750	4.0
alpha-Chlordane	09.34	09.29	09.39	19374430	19871600	2.6
gamma-Chlordane	09.06	09.01	09.11	19343070	19901100	2.9

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Client Sample No. (Calib##): Calibration Check
Lab Sample ID (Calib): S5L2801-CCV2(2)
Init. Calib. Date(s): 12/11/2015
Date Analyzed: 12/28/2015 1006

Individual Mix Compound	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
beta-BHC	07.10	07.05	07.15	11922920	13442600	12.7
delta-BHC	07.68	07.63	07.73	18259370	19761500	8.2
Aldrin	08.36	08.31	08.41	19813380	20288100	2.4
Heptachlor Epoxide	09.45	09.40	09.50	18225860	18763300	2.9
4,4'-DDE	10.40	10.35	10.45	17643880	18454100	4.6
Endosulfan II	11.60	11.55	11.65	15080750	15589400	3.4
Endosulfan sulfate	12.70	12.65	12.75	13778670	14299250	3.8
Endrin ketone	13.78	13.73	13.83	17520380	17562150	0.2
Endrin aldehyde	12.21	12.16	12.26	15047260	13698850	-9.0
alpha-Chlordane	10.06	10.01	10.11	18912200	19411500	2.6
gamma-Chlordane	09.80	09.75	09.85	19675580	19406500	-1.4

Accredited Analytical Resources, LLC.

CALIBRATION VERIFICATION SUMMARY

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Client Sample No. (Calib##): Calibration Check
Lab Sample ID (Calib): S5L2801-CCV3(1)
Init. Calib. Date(s): 12/11/2015
Date Analyzed: 12/28/2015 1119

Individual Mix Compound	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
Toxaphene	12.41	12.36	12.46	203865	193123	-5.3
Toxaphene (1)	09.72	09.67	09.77	213488	197528	-7.5
Toxaphene (2)	10.61	10.56	10.66	239198	223147	-6.7
Toxaphene (3)	11.95	11.90	12.00	290892	280365	-3.6
Toxaphene (4)	12.41	12.36	12.46	71881	71450	-0.6

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Client Sample No. (Calib##): Calibration Check
Lab Sample ID (Calib): S5L2801-CCV3(2)
Init. Calib. Date(s): 12/11/2015
Date Analyzed: 12/28/2015 1119

Individual Mix Compound	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
Toxaphene	13.16	13.11	13.21	364638	363248	-0.4
Toxaphene (1)	10.64	10.59	10.69	237756	232834	-2.1
Toxaphene (2)	11.75	11.70	11.80	600799	611261	1.7
Toxaphene (3)	12.22	12.17	12.27	305563	291504	-4.6
Toxaphene (4)	13.16	13.11	13.21	314435	317392	0.9

Accredited Analytical Resources, LLC.

CALIBRATION VERIFICATION SUMMARY

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Client Sample No. (Calib##): Calibration Check
Lab Sample ID (Calib): S5L2801-CCV4(1)
Init. Calib. Date(s): 12/11/2015
Date Analyzed: 12/28/2015 1149

Individual Mix Compound	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
Aroclor-1016	07.12	07.07	07.17	83886	84571	0.8
Aroclor-1016 (1)	06.43	06.38	06.48	48468	49372	1.9
Aroclor-1016 (2)	06.93	06.88	06.98	140188	141045	0.6
Aroclor-1016 (3)	07.12	07.07	07.17	63002	63297	0.5
Aroclor-1260	12.44	12.39	12.49	148843	153227	2.9
Aroclor-1260 (1)	10.30	10.25	10.35	97630	95191	-2.5
Aroclor-1260 (2)	11.24	11.19	11.29	142639	147127	3.1
Aroclor-1260 (3)	12.44	12.39	12.49	206260	217364	5.4

Client: **BRINKERHOFF ENVIRONMENTAL**
Work Order: **1502323**
Project: **255 East 138th Street, Bronx, NY**

Client Sample No. (Calib##): Calibration Check
Lab Sample ID (Calib): S5L2801-CCV4(2)
Init. Calib. Date(s): 12/11/2015
Date Analyzed: 12/28/2015 1149

Individual Mix Compound	RT	RT WINDOW		$\overline{CF}$	CF	%D
		FROM	TO			
Aroclor-1016	07.84	07.79	07.89	91222	99345	8.9
Aroclor-1016 (1)	06.70	06.65	06.75	74069	77557	4.7
Aroclor-1016 (2)	07.59	07.54	07.64	135748	152617	12.4
Aroclor-1016 (3)	07.84	07.79	07.89	63849	67860	6.3
Aroclor-1260	13.94	13.89	13.99	114030	125446	10.0
Aroclor-1260 (1)	11.35	11.30	11.40	118014	131833	11.7
Aroclor-1260 (2)	12.67	12.62	12.72	81762	90952	11.2
Aroclor-1260 (3)	13.94	13.89	13.99	142315	153554	7.9

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PEST/PCB

RAW DATA

Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14602.D\ECD1A.CH Vial: 3
Signal #2 : D:\G\DATA\DEC15\G1211\G14602.D\ECD2B.CH
Acq On : 11 Dec 2015 9:47 Operator: JAM
Sample : S5L1105-CAL1 Inst : GCECD_GH
Misc : MIX A 0.08 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 12:40 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.66	4.94	1294126	1342602	0.549	0.514
	Spiked Amount 1.000	Range 30 - 150		Recovery =		54.90%	51.40%
22) AS	Decachlorobiphen	16.37	17.67	3559856	3568056	0.979	1.102
	Spiked Amount 1.000	Range 30 - 150		Recovery =		97.90%	110.20%
	Target Compounds						
2) A	alpha-BHC	5.37	6.20	1980114	2106104	0.689	0.720
3) AM	gamma-BHC (Linda	5.96	6.92	1858160	1913382	0.672	0.671m
4) AM	Heptachlor	7.27	7.77	1755924	1439916	0.623	0.625
9) A	Endosulfan I	9.34	10.19	1491686	1366104	0.591	0.609
13) AM	Dieldrin	9.82	10.69	3140188	2828656	1.222	1.258
14) AM	Endrin	10.23	11.23	2517848	2061168	1.240	1.210
16) A	4,4'-DDD	10.50	11.47	2292998	1989778	1.188	1.241
17) AM	4,4'-DDT	11.18	12.02	2643680	2368116	1.185	1.275
20) A	Methoxychlor	12.20	13.30	6142312	4721922	5.471	5.797

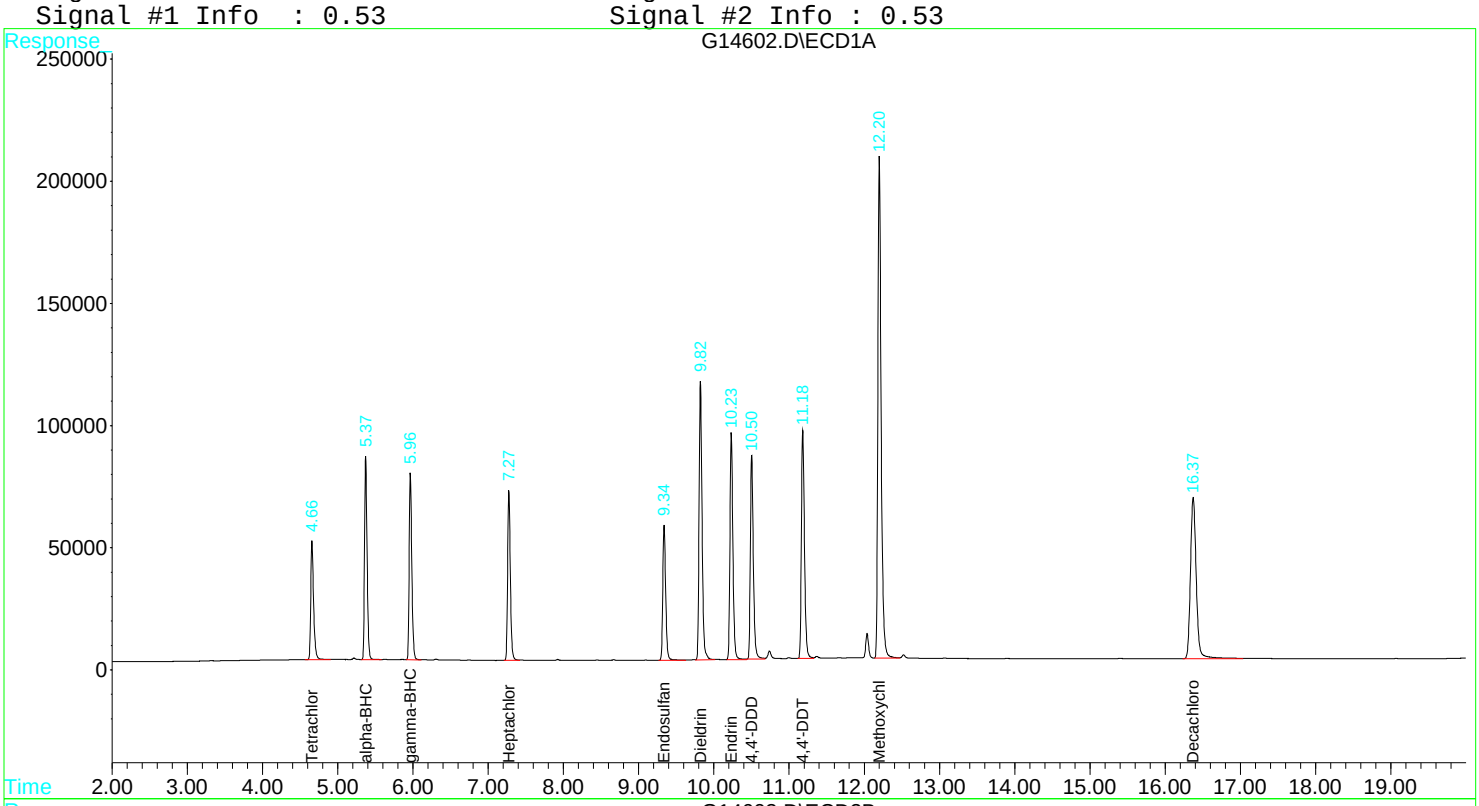
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

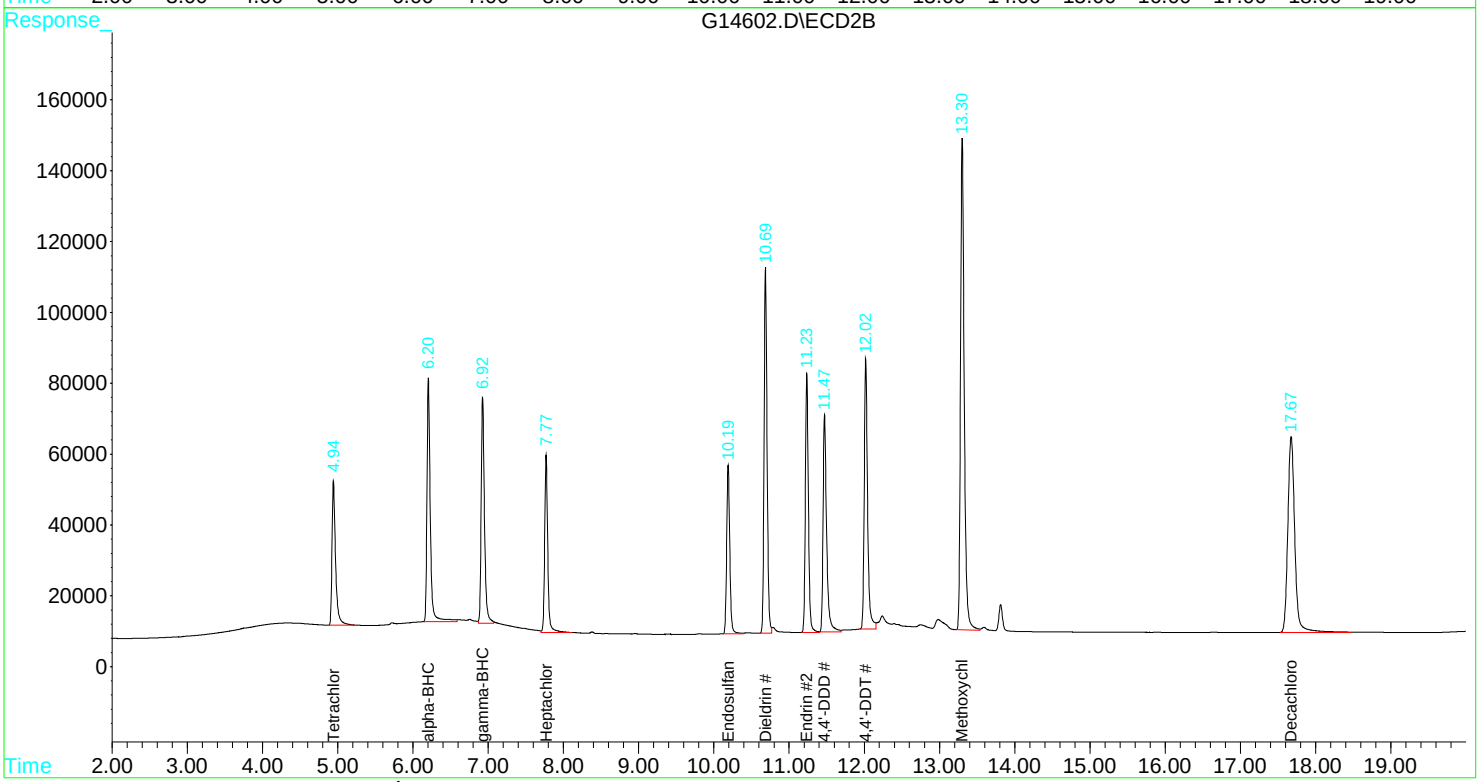
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14602.D\ECD1A.CH Vial: 3
Signal #2 : D:\G\DATA\DEC15\G1211\G14602.D\ECD2B.CH
Acq On : 11 Dec 2015 9:47 Operator: JAM
Sample : S5L1105-CAL1 Inst : GCECD_GH
Misc : MIX A 0.08 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 12:40 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14603.D\ECD1A.CH Vial: 4
Signal #2 : D:\G\DATA\DEC15\G1211\G14603.D\ECD2B.CH
Acq On : 11 Dec 2015 10:16 Operator: JAM
Sample : S5L1105-CAL2 Inst : GCECD_GH
Misc : MIX A 0.04 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 11:48 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.63	4.94	686782	805980	0.291	0.309
	Spiked Amount 1.000	Range 30 - 150		Recovery =		29.10%#	30.90%
22) AS	Decachlorobiphen	16.36	17.67	1932590	1896140	0.532	0.586
	Spiked Amount 1.000	Range 30 - 150		Recovery =		53.20%	58.60%
	Target Compounds						
2) A	alpha-BHC	5.34	6.20	934822	939312	0.325	0.321
3) AM	gamma-BHC (Linda	5.94	6.92	894200	914316	0.323	0.321
4) AM	Heptachlor	7.25	7.76	862404	679128	0.306	0.295
9) A	Endosulfan I	9.32	10.18	728364	682856	0.288	0.304
13) AM	Dieldrin	9.81	10.68	1548184	1373764	0.602	0.611
14) AM	Endrin	10.22	11.23	1219744	973702	0.601	0.572
16) A	4,4'-DDD	10.49	11.48	1133778	961992	0.587	0.600
17) AM	4,4'-DDT	11.17	12.02	1321246	1178808	0.592	0.635
20) A	Methoxychlor	12.19	13.30	3252572	2312586	2.897	2.839

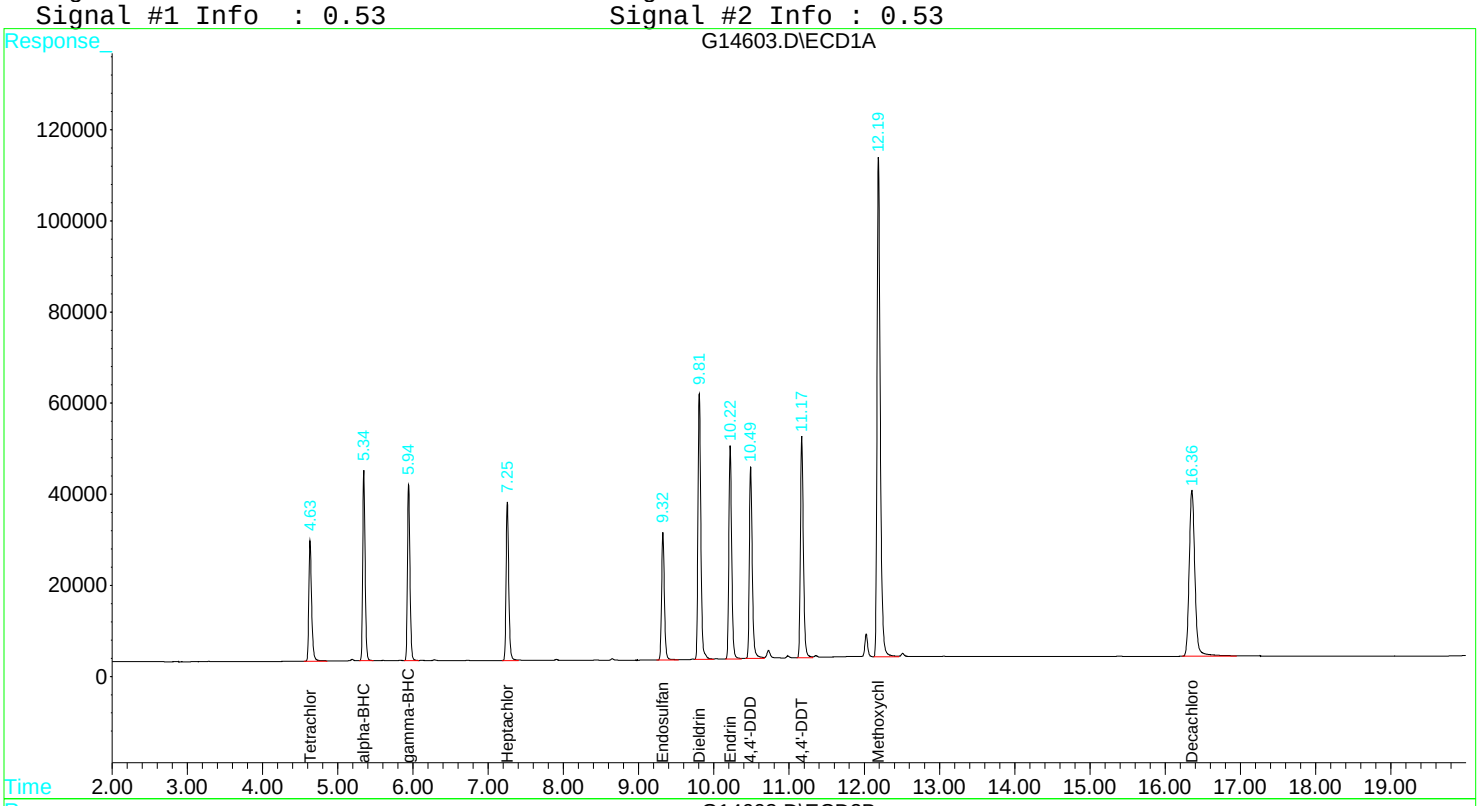
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

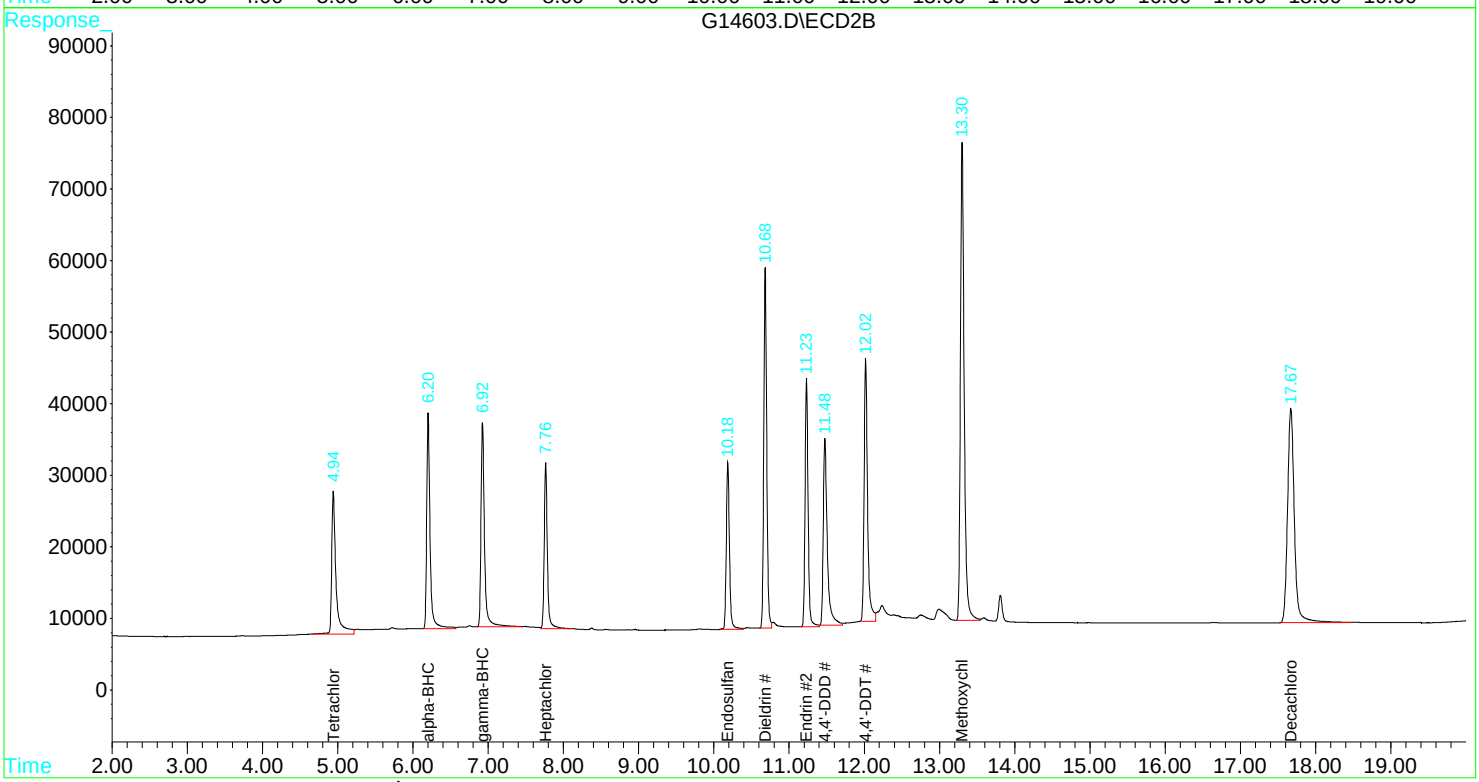
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14603.D\ECD1A.CH Vial: 4
Signal #2 : D:\G\DATA\DEC15\G1211\G14603.D\ECD2B.CH
Acq On : 11 Dec 2015 10:16 Operator: JAM
Sample : S5L1105-CAL2 Inst : GCECD_GH
Misc : MIX A 0.04 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 11:48 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14604.D\ECD1A.CH Vial: 5
Signal #2 : D:\G\DATA\DEC15\G1211\G14604.D\ECD2B.CH
Acq On : 11 Dec 2015 10:46 Operator: JAM
Sample : S5L1105-CAL3 Inst : GCECD_GH
Misc : MIX A 0.02 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 11:49 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.63	4.94	355180	414806	0.151	0.159m
	Spiked Amount 1.000	Range 30 - 150		Recovery =		15.10%#	15.90%#
22) AS	Decachlorobiphen	16.35	17.67	1035686	1003628	0.285	0.310
	Spiked Amount 1.000	Range 30 - 150		Recovery =		28.50%#	31.00%
	Target Compounds						
2) A	alpha-BHC	5.35	6.20	428460	451598	0.149	0.154
3) AM	gamma-BHC (Linda	5.94	6.92	420892	449506	0.152	0.158
4) AM	Heptachlor	7.25	7.76	423040	322630	0.150	0.140m
9) A	Endosulfan I	9.32	10.18	356876	345504	0.141	0.154
13) AM	Dieldrin	9.81	10.68	749494	668158	0.292	0.297
14) AM	Endrin	10.22	11.23	591844	476928	0.292	0.280
16) A	4,4'-DDD	10.49	11.48	551062	475214	0.285	0.296
17) AM	4,4'-DDT	11.17	12.02	655752	592444	0.294	0.319
20) A	Methoxychlor	12.19	13.30	1744712	1176164	1.554	1.444

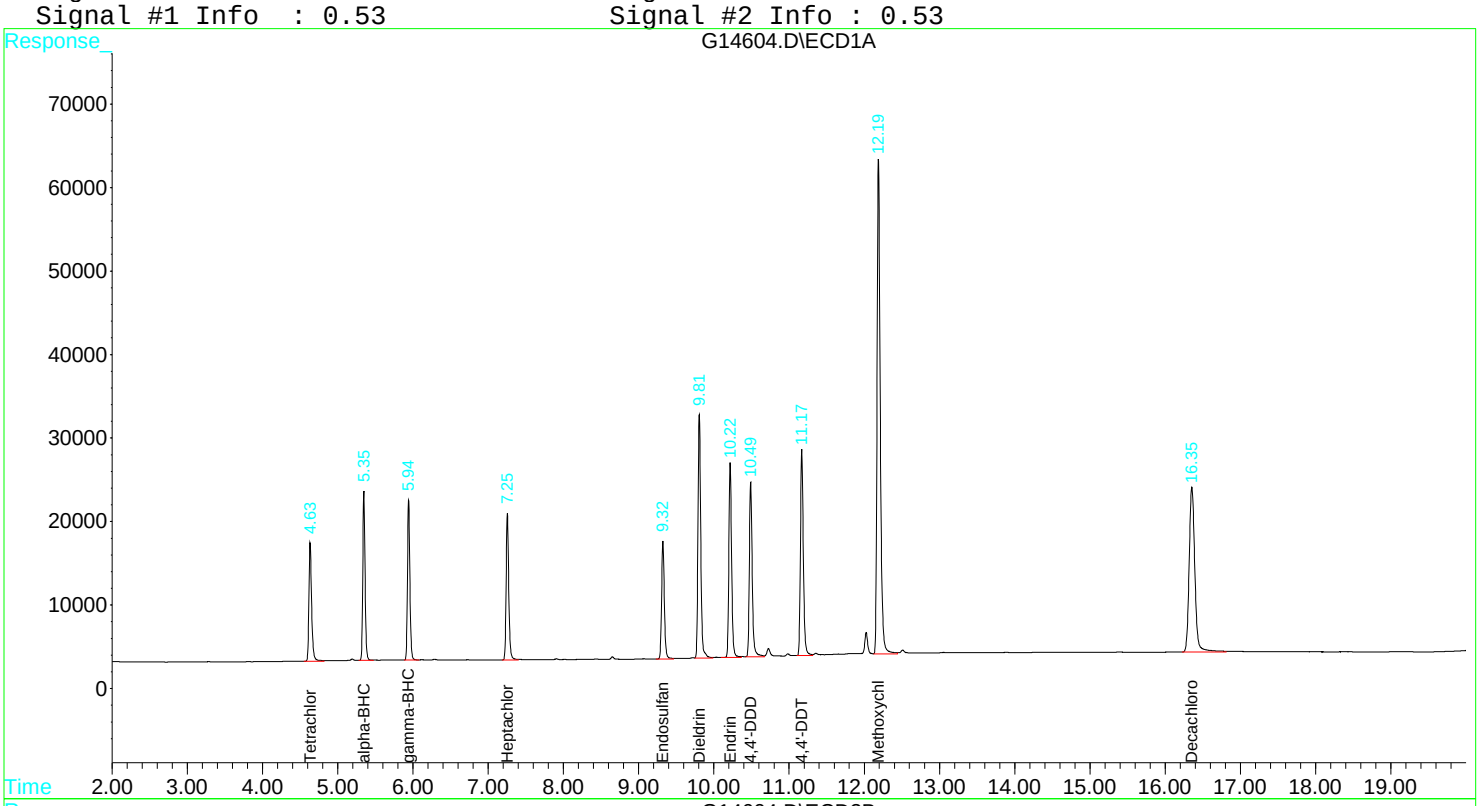
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

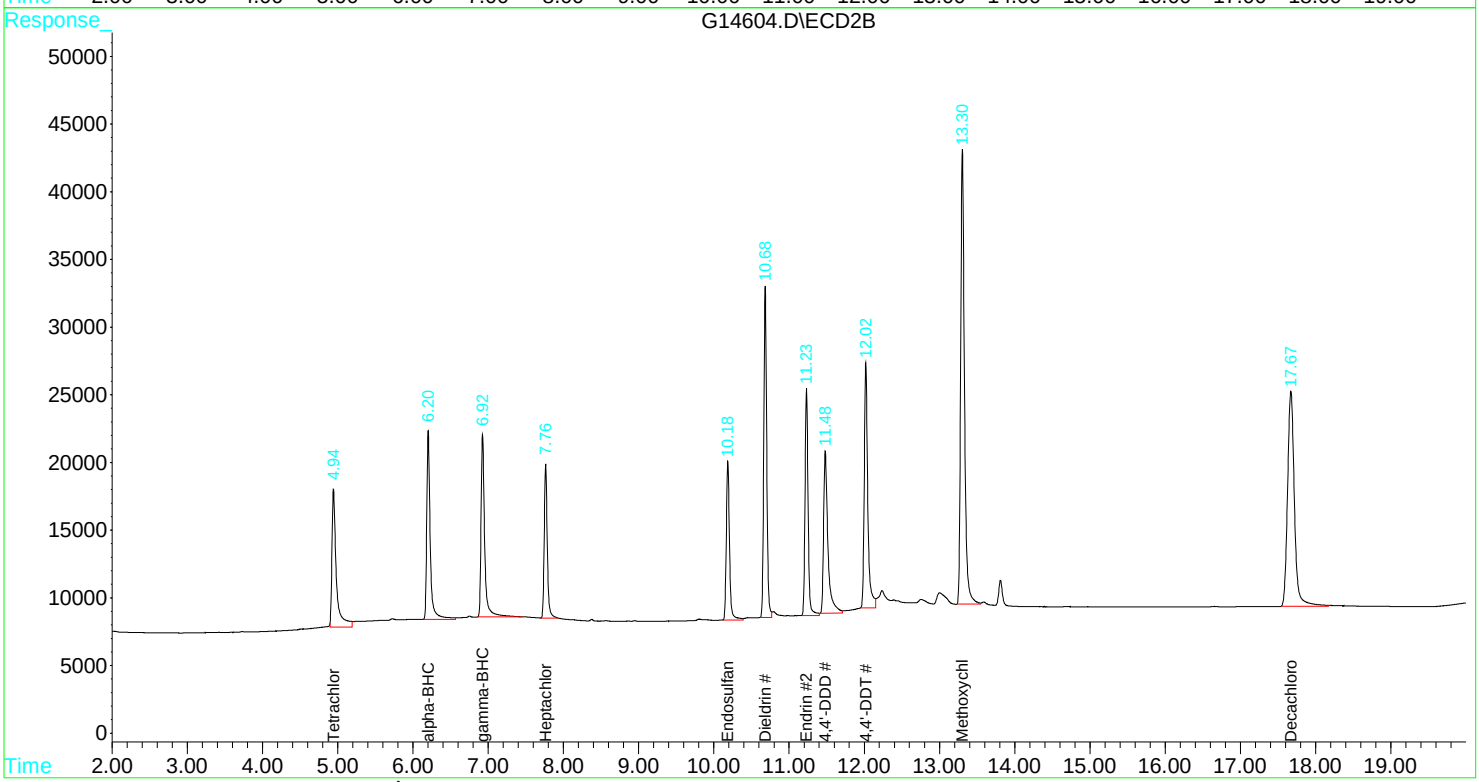
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14604.D\ECD1A.CH Vial: 5
Signal #2 : D:\G\DATA\DEC15\G1211\G14604.D\ECD2B.CH
Acq On : 11 Dec 2015 10:46 Operator: JAM
Sample : S5L1105-CAL3 Inst : GCECD_GH
Misc : MIX A 0.02 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 11:49 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14605.D\ECD1A.CH Vial: 6
Signal #2 : D:\G\DATA\DEC15\G1211\G14605.D\ECD2B.CH
Acq On : 11 Dec 2015 11:15 Operator: JAM
Sample : S5L1105-CAL4 Inst : GCECD_GH
Misc : MIX A 0.01 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 11:51 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.63	4.94	175670	209472	0.075	0.080m
	Spiked Amount 1.000	Range 30 - 150		Recovery =		7.50%#	8.00%#
22) AS	Decachlorobiphen	16.35	17.67	545452	518592	0.150	0.160
	Spiked Amount 1.000	Range 30 - 150		Recovery =		15.00%#	16.00%#
	Target Compounds						
2) A	alpha-BHC	5.35	6.20	186192	218622	0.065	0.075
3) AM	gamma-BHC (Linda	5.94	6.93	188256	224876	0.068	0.079
4) AM	Heptachlor	7.25	7.76	205092	158240	0.073	0.069m
9) A	Endosulfan I	9.32	10.18	174192	172210	0.069	0.077
13) AM	Dieldrin	9.81	10.68	350042	323562	0.136	0.144
14) AM	Endrin	10.22	11.23	281070	233756	0.138	0.137
16) A	4,4'-DDD	10.49	11.49	258106	232828	0.134	0.145
17) AM	4,4'-DDT	11.17	12.02	315842	292660	0.142	0.158
20) A	Methoxychlor	12.19	13.31	914088	576954	0.814	0.708

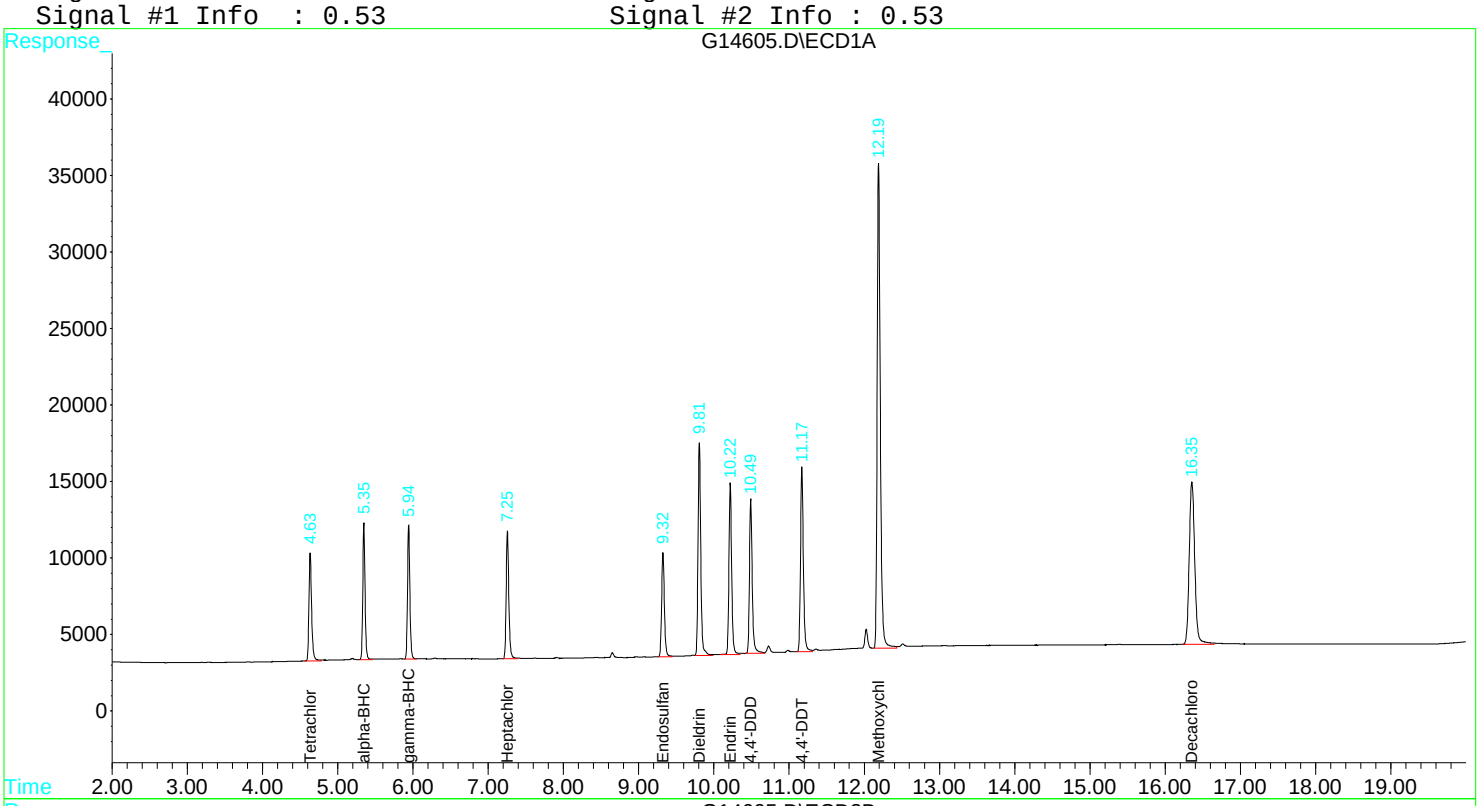
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

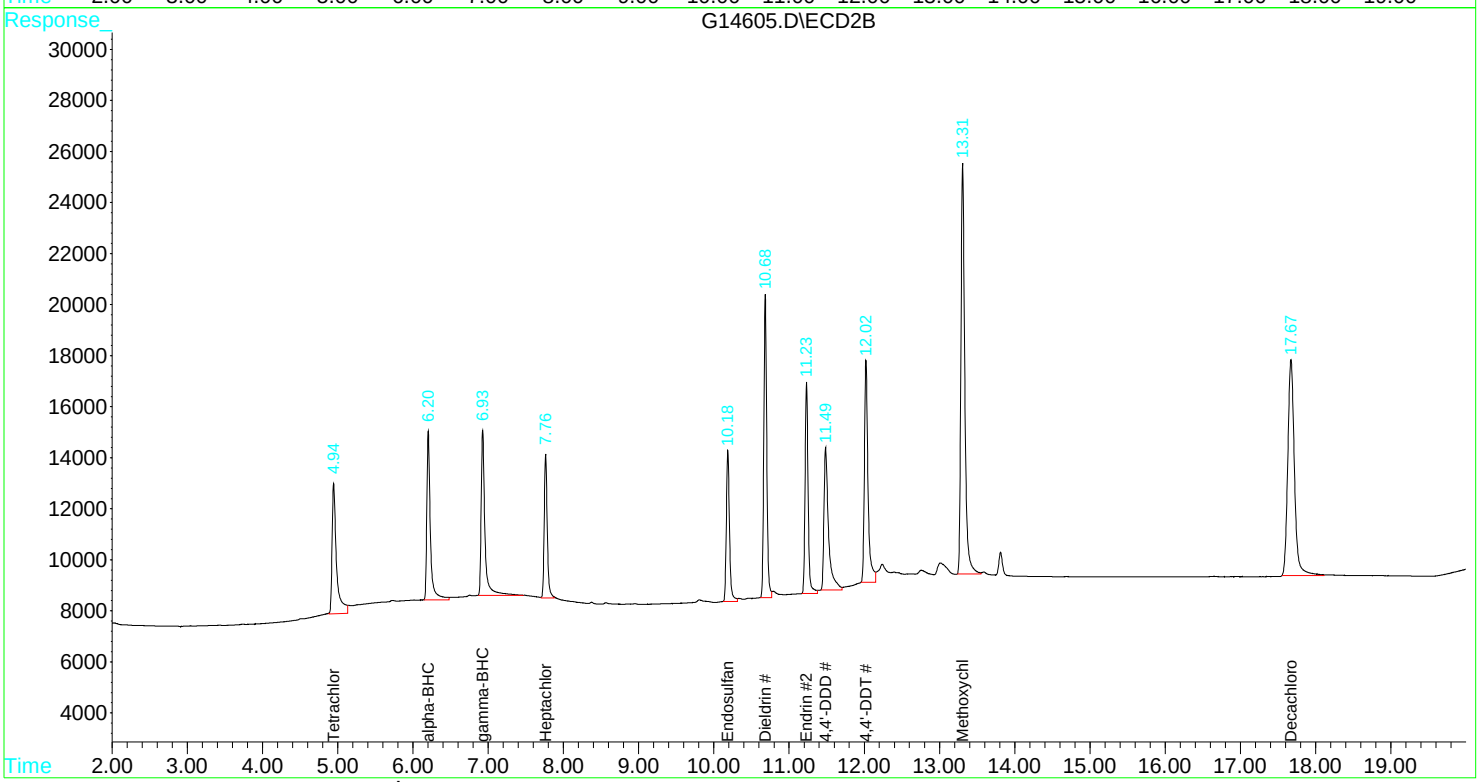
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14605.D\ECD1A.CH Vial: 6
Signal #2 : D:\G\DATA\DEC15\G1211\G14605.D\ECD2B.CH
Acq On : 11 Dec 2015 11:15 Operator: JAM
Sample : S5L1105-CAL4 Inst : GCECD_GH
Misc : MIX A 0.01 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 11:51 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14606.D\ECD1A.CH Vial: 7
Signal #2 : D:\G\DATA\DEC15\G1211\G14606.D\ECD2B.CH
Acq On : 11 Dec 2015 11:44 Operator: JAM
Sample : S5L1105-CAL5 Inst : GCECD_GH
Misc : MIX A 0.002 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 12:31 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
1) AS	Tetrachloro-m-xy	4.63	4.95	39040	50534	0.017	0.019
	Spiked Amount 1.000	Range 30 - 150		Recovery =		1.70%#	1.90%#
22) AS	Decachlorobiphen	16.35	17.67	127876	122244	0.035	0.038m
	Spiked Amount 1.000	Range 30 - 150		Recovery =		3.50%#	3.80%#
	Target Compounds						
2) A	alpha-BHC	5.35	6.20	34686	47576	0.012	0.016 #
3) AM	gamma-BHC (Linda	5.94	6.93	35740	49318	0.013	0.017 #
4) AM	Heptachlor	7.26	7.76	46198	33830	0.016	0.015m
9) A	Endosulfan I	9.32	10.18	42866	37246	0.017	0.017m
13) AM	Dieldrin	9.81	10.68	71340	71290	0.028	0.032
14) AM	Endrin	10.22	11.23	61796	51152	0.030	0.030
16) A	4,4'-DDD	10.49	11.50	51682	51730	0.027	0.032
17) AM	4,4'-DDT	11.17	12.02	65760	62098	0.029	0.033
20) A	Methoxychlor	12.19	13.31	209192	115676	0.186	0.142

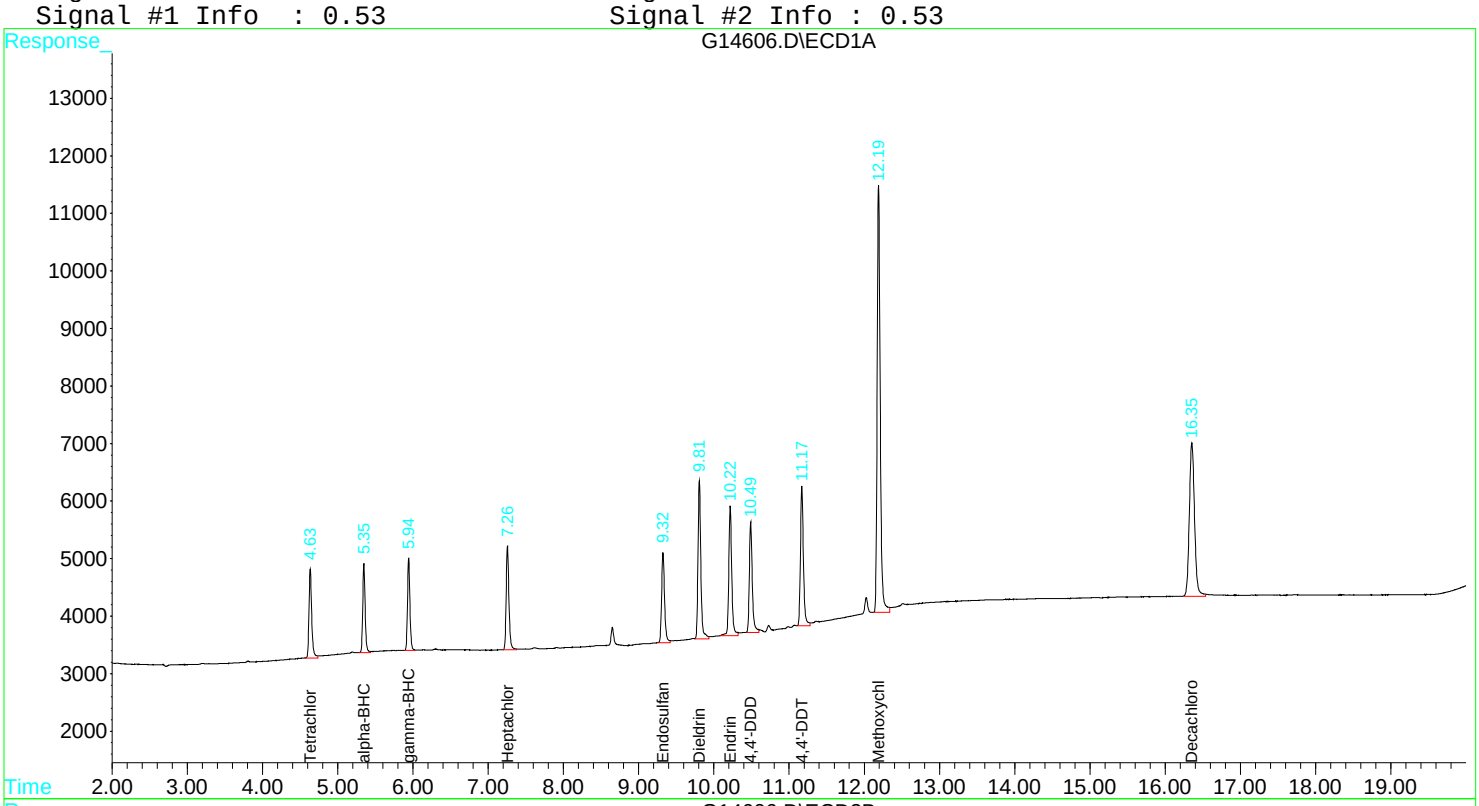
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

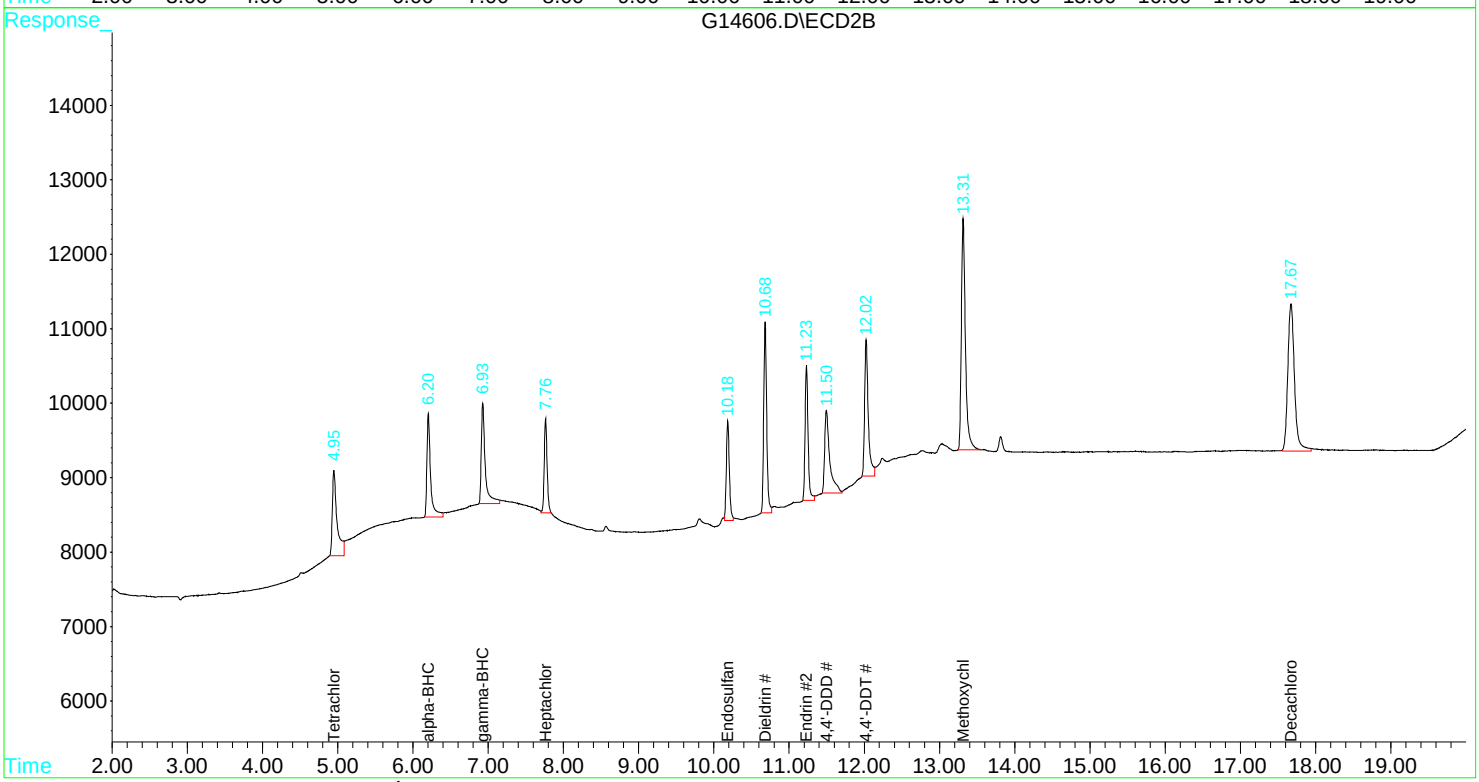
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14606.D\ECD1A.CH Vial: 7
Signal #2 : D:\G\DATA\DEC15\G1211\G14606.D\ECD2B.CH
Acq On : 11 Dec 2015 11:44 Operator: JAM
Sample : S5L1105-CAL5 Inst : GCECD_GH
Misc : MIX A 0.002 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 11 12:31 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Thu Dec 10 08:50:53 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14607.D\ECD1A.CH Vial: 8
Signal #2 : D:\G\DATA\DEC15\G1211\G14607.D\ECD2B.CH
Acq On : 11 Dec 2015 15:59 Operator: JAM
Sample : S5L1105-CAL6 Inst : GCECD_GH
Misc : MIX B 0.08 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:21 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

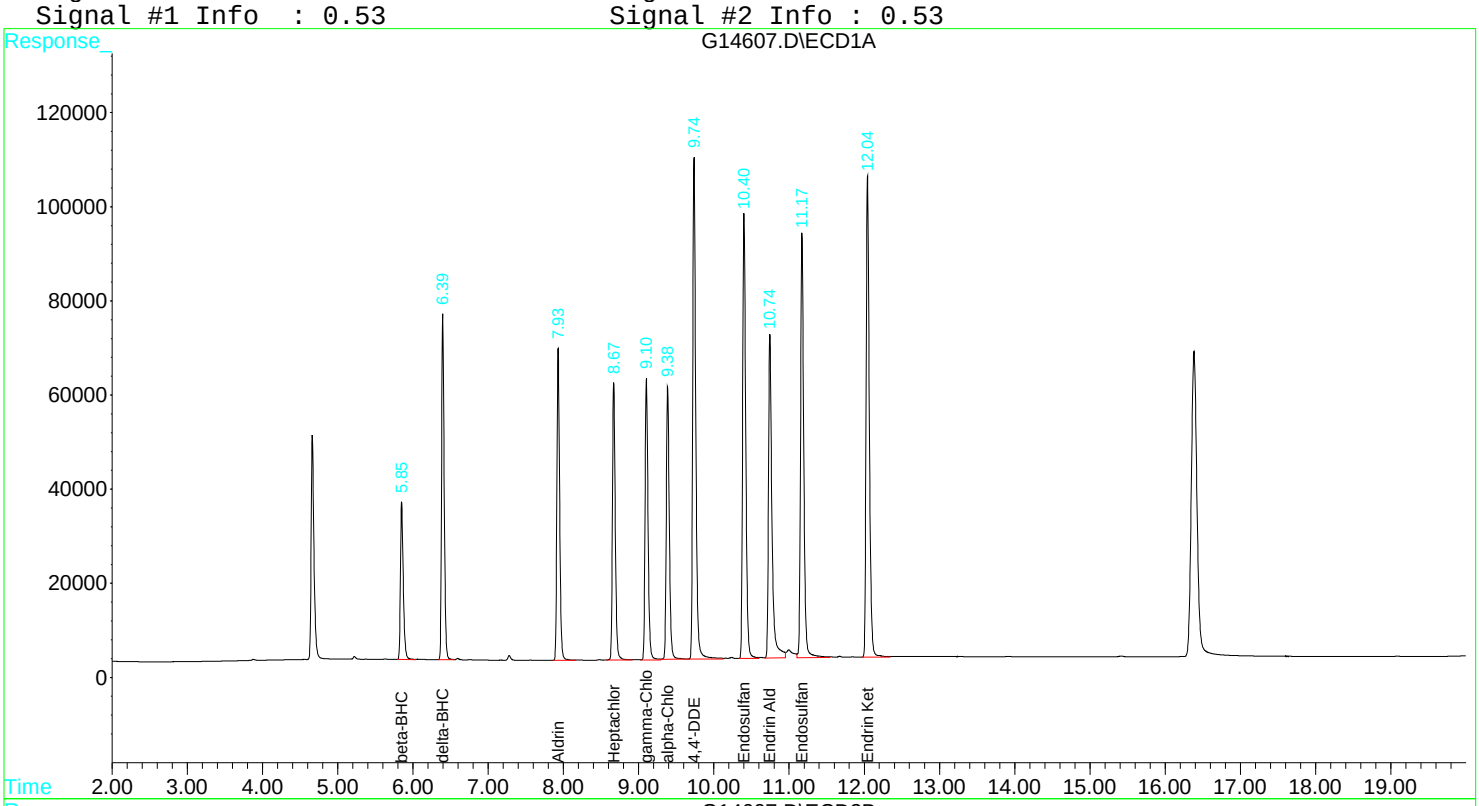
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
5)	BM	Aldrin	7.93	8.39	1706566	1635876	0.904	0.868
6)	B	beta-BHC	5.85	7.13	877226	950754	0.798	0.840m
7)	B	delta-BHC	6.39	7.71	1750226	1713954	0.985	0.982m
8)	B	Heptachlor Epoxi	8.67	9.48	1552688	1454102	0.796	0.976
10)	B	gamma-Chlordane	9.10	9.83	1622660	1507460	0.857	0.785
11)	B	alpha-Chlordane	9.38	10.09	1608884	1492224	0.847	0.833
12)	B	4,4'-DDE	9.74	10.43	3033738	2923874	1.745	1.719
15)	B	Endosulfan II	10.40	11.63	2663500	2484402	1.666	1.707
18)	B	Endrin Aldehyde	10.74	12.24	2190596	2234254	1.362	1.242
19)	B	Endosulfan Sulfa	11.17	12.73	2642584	2265124	1.709	1.723
21)	B	Endrin Ketone	12.04	13.82	3057164	2871142	1.643	1.694

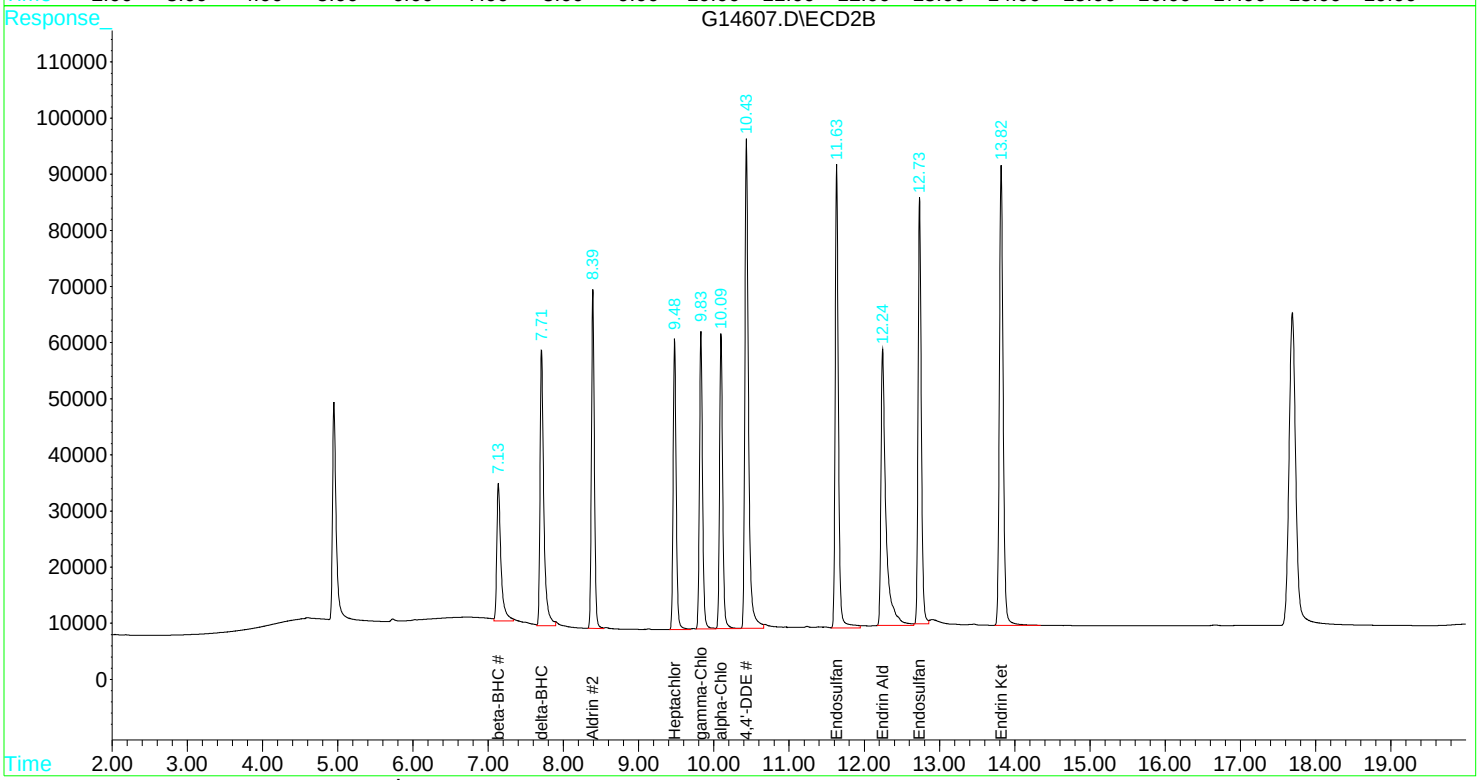
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\G\DATA\DEC15\G1211\G14607.D\ECD1A.CH Vial: 8
Signal #2 : D:\G\DATA\DEC15\G1211\G14607.D\ECD2B.CH
Acq On : 11 Dec 2015 15:59 Operator: JAM
Sample : S5L1105-CAL6 Inst : GCECD_GH
Misc : MIX B 0.08 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:21 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14608.D\ECD1A.CH Vial: 9
Signal #2 : D:\G\DATA\DEC15\G1211\G14608.D\ECD2B.CH
Acq On : 11 Dec 2015 16:28 Operator: JAM
Sample : S5L1105-CAL7 Inst : GCECD_GH
Misc : MIX B 0.04 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:22 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
5)	BM	Aldrin	7.91	8.39	816308	796014	0.432	0.422
6)	B	beta-BHC	5.83	7.14	451128	478262	0.410	0.423
7)	B	delta-BHC	6.37	7.71	827690	777080	0.466	0.445m
8)	B	Heptachlor Epoxi	8.65	9.47	764336	724748	0.392	0.487
10)	B	gamma-Chlordane	9.09	9.82	790728	749522	0.418	0.390
11)	B	alpha-Chlordane	9.37	10.09	788492	747764	0.415	0.418
12)	B	4,4'-DDE	9.72	10.43	1491626	1412570	0.858	0.831
15)	B	Endosulfan II	10.39	11.63	1342046	1232238	0.840	0.847
18)	B	Endrin Aldehyde	10.73	12.24	1119336	1155404	0.696	0.642
19)	B	Endosulfan Sulfa	11.16	12.73	1305062	1112112	0.844	0.846
21)	B	Endrin Ketone	12.03	13.81	1548652	1435884	0.832	0.847

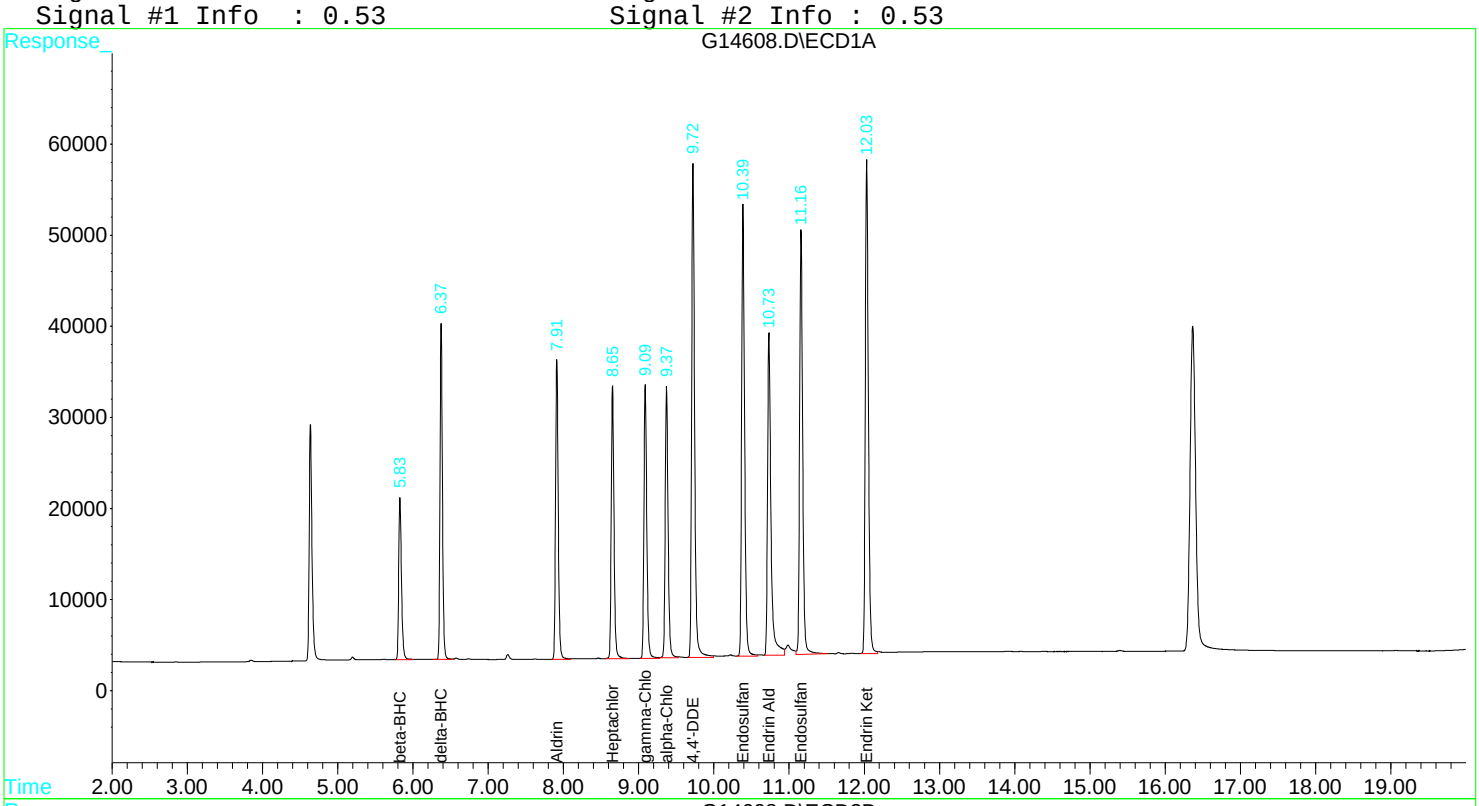
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

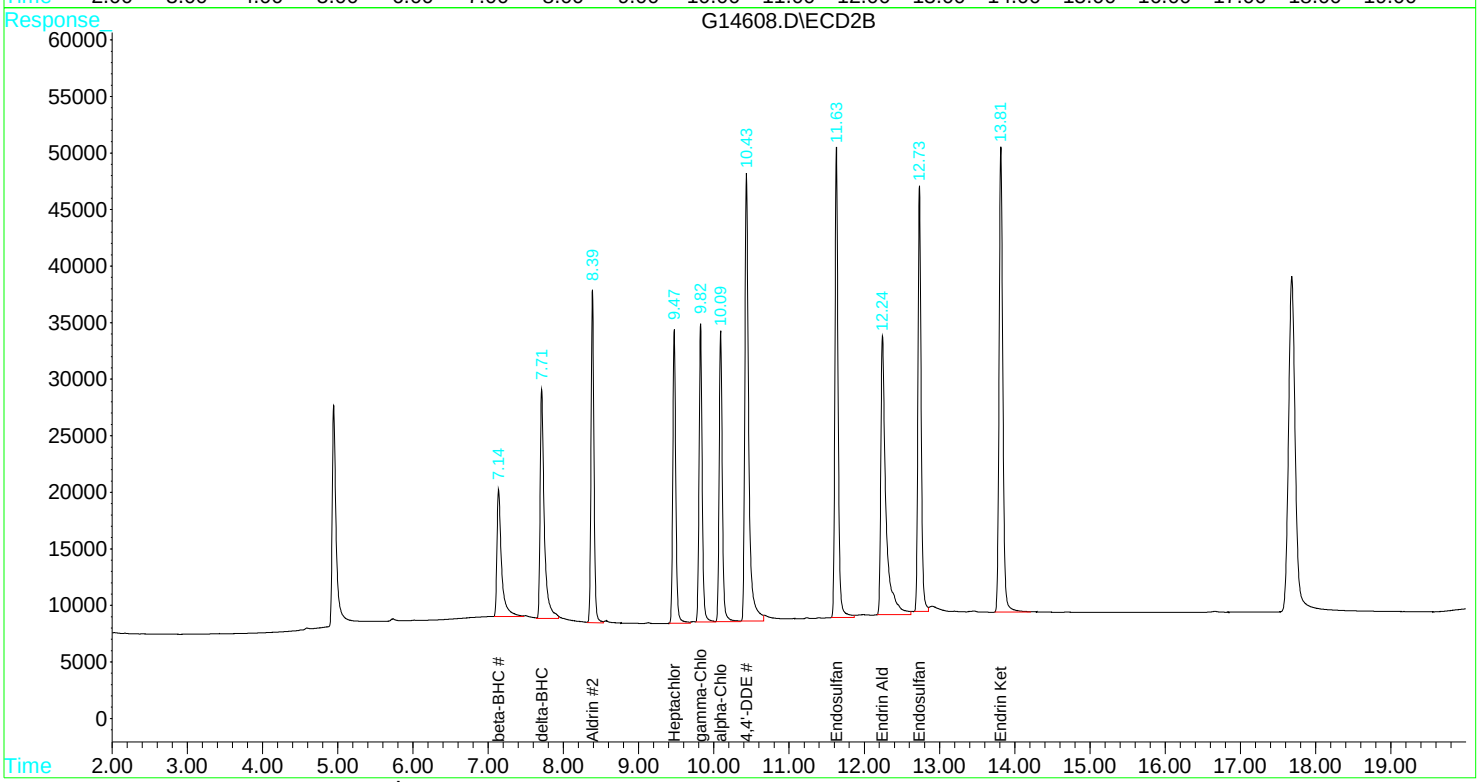
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14608.D\ECD1A.CH Vial: 9
Signal #2 : D:\G\DATA\DEC15\G1211\G14608.D\ECD2B.CH
Acq On : 11 Dec 2015 16:28 Operator: JAM
Sample : S5L1105-CAL7 Inst : GCECD_GH
Misc : MIX B 0.04 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:22 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14609.D\ECD1A.CH Vial: 10
Signal #2 : D:\G\DATA\DEC15\G1211\G14609.D\ECD2B.CH
Acq On : 11 Dec 2015 16:57 Operator: JAM
Sample : S5L1105-CAL8 Inst : GCECD_GH
Misc : MIX B 0.02 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:23 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
5)	BM	Aldrin	7.91	8.38	372250	378742	0.197	0.201
6)	B	beta-BHC	5.83	7.14	220398	238136	0.201	0.210
7)	B	delta-BHC	6.37	7.72	362742	365304	0.204	0.209m
8)	B	Heptachlor Epoxi	8.65	9.47	363502	351154	0.186	0.236 #
10)	B	gamma-Chlordane	9.09	9.82	373142	366172	0.197	0.191
11)	B	alpha-Chlordane	9.37	10.09	374108	365326	0.197	0.204
12)	B	4,4'-DDE	9.72	10.44	701272	675394	0.403	0.397
15)	B	Endosulfan II	10.39	11.63	643468	591354	0.403	0.406
18)	B	Endrin Aldehyde	10.73	12.24	558582	586534	0.347	0.326
19)	B	Endosulfan Sulfa	11.16	12.73	619172	535976	0.400	0.408
21)	B	Endrin Ketone	12.03	13.82	752042	695268	0.404	0.410

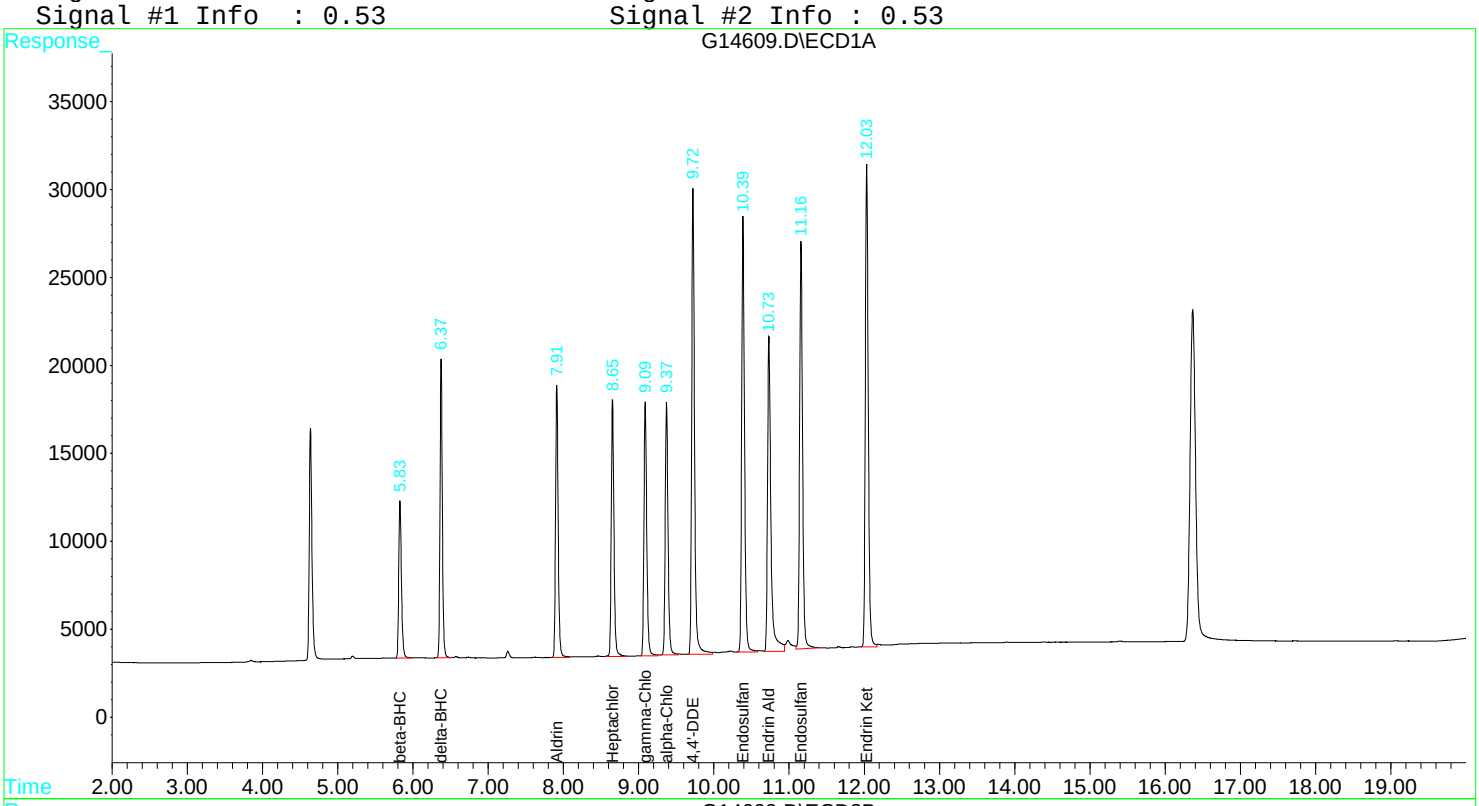
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

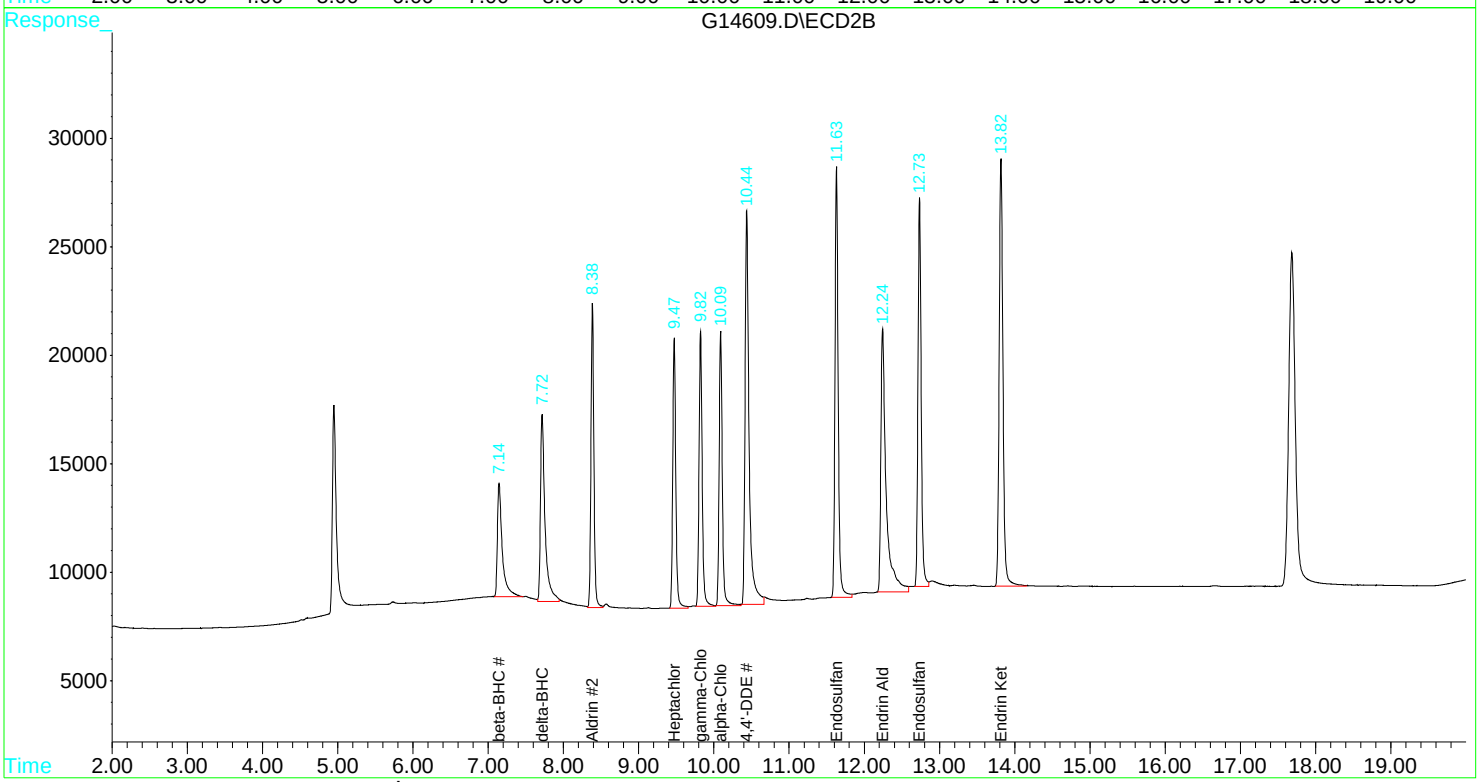
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14609.D\ECD1A.CH Vial: 10
Signal #2 : D:\G\DATA\DEC15\G1211\G14609.D\ECD2B.CH
Acq On : 11 Dec 2015 16:57 Operator: JAM
Sample : S5L1105-CAL8 Inst : GCECD_GH
Misc : MIX B 0.02 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:23 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14610.D\ECD1A.CH Vial: 11
Signal #2 : D:\G\DATA\DEC15\G1211\G14610.D\ECD2B.CH
Acq On : 11 Dec 2015 17:26 Operator: JAM
Sample : S5L1105-CAL9 Inst : GCECD_GH
Misc : MIX B 0.01 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:25 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

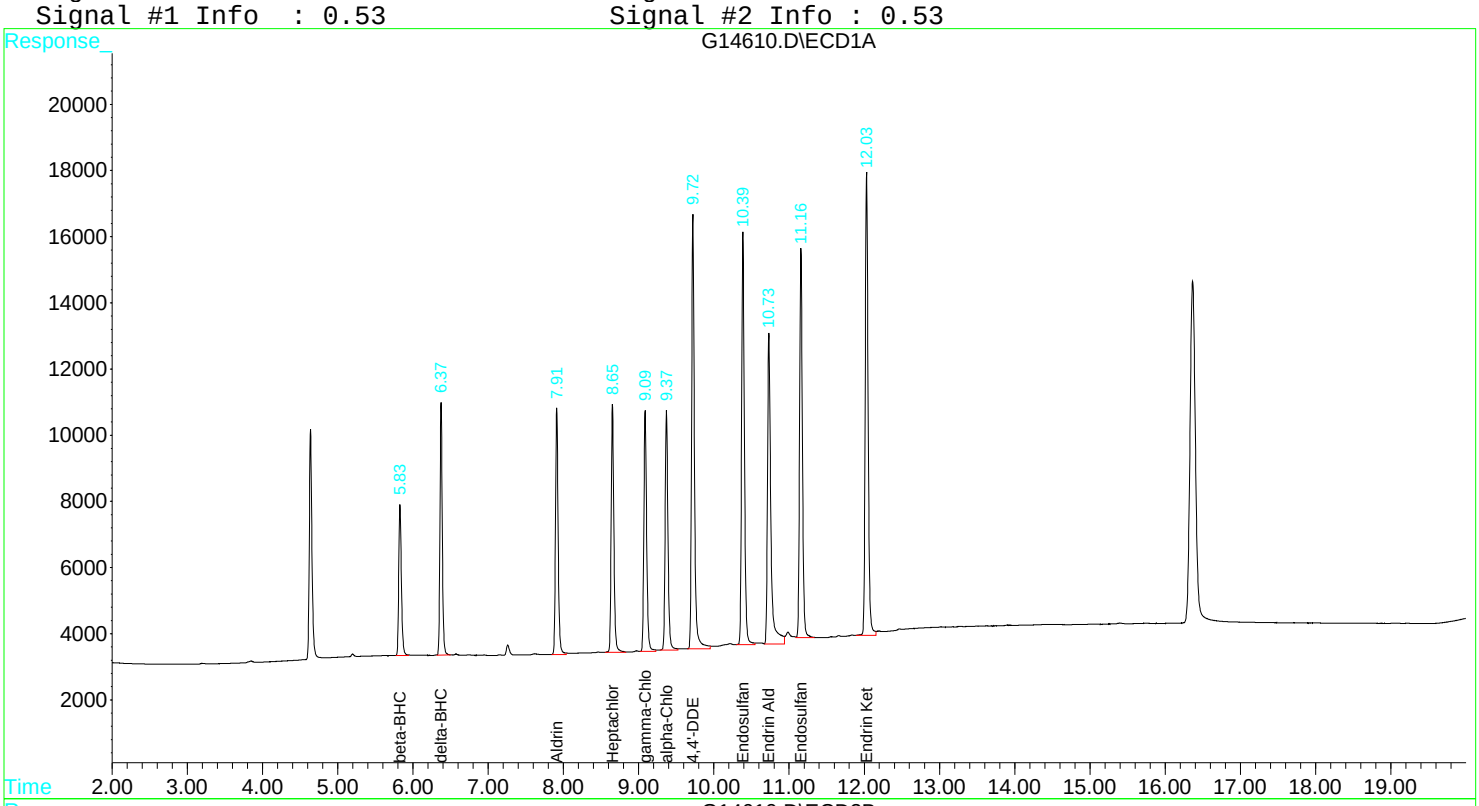
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
5)	BM	Aldrin	7.91	8.38	180440	193740	0.096	0.103
6)	B	beta-BHC	5.83	7.15	110820	125978	0.101	0.111
7)	B	delta-BHC	6.37	7.72	163048	171522	0.092	0.098m
8)	B	Heptachlor Epoxi	8.65	9.47	186984	181536	0.096	0.122 #
10)	B	gamma-Chlordane	9.09	9.82	187578	191080	0.099	0.100
11)	B	alpha-Chlordane	9.37	10.09	188904	189038	0.099	0.106
12)	B	4,4'-DDE	9.72	10.44	342770	342604	0.197	0.201
15)	B	Endosulfan II	10.39	11.63	320310	296168	0.200	0.204
18)	B	Endrin Aldehyde	10.73	12.24	289836	309266	0.180	0.172
19)	B	Endosulfan Sulfa	11.16	12.73	301084	269130	0.195	0.205
21)	B	Endrin Ketone	12.03	13.82	375996	347100	0.202	0.205

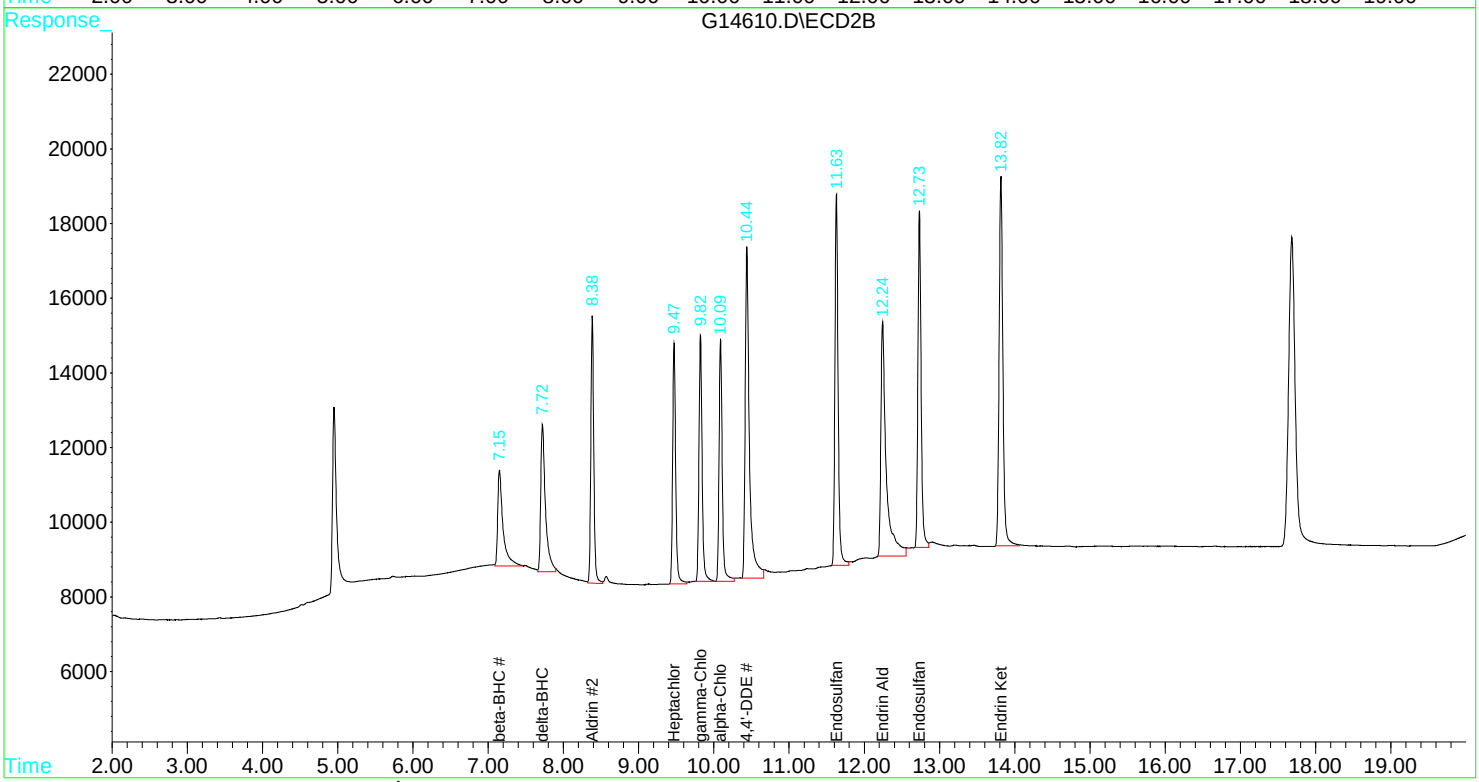
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\G\DATA\DEC15\G1211\G14610.D\ECD1A.CH Vial: 11
Signal #2 : D:\G\DATA\DEC15\G1211\G14610.D\ECD2B.CH
Acq On : 11 Dec 2015 17:26 Operator: JAM
Sample : S5L1105-CAL9 Inst : GCECD_GH
Misc : MIX B 0.01 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:25 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14611.D\ECD1A.CH Vial: 12
Signal #2 : D:\G\DATA\DEC15\G1211\G14611.D\ECD2B.CH
Acq On : 11 Dec 2015 17:56 Operator: JAM
Sample : S5L1105-CALA Inst : GCECD_GH
Misc : MIX B 0.002 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:26 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
5)	BM	Aldrin	7.91	8.38	35380	40814	0.019	0.022
6)	B	beta-BHC	5.83	7.16	22250	22538	0.020	0.020m
7)	B	delta-BHC	6.37	7.73	29140	30056	0.016	0.017m
8)	B	Heptachlor Epoxi	8.65	9.47	44740	38246	0.023	0.026
10)	B	gamma-Chlordane	9.09	9.82	38498	46760	0.020	0.024
11)	B	alpha-Chlordane	9.37	10.09	38906	40088	0.020	0.022
12)	B	4,4'-DDE	9.72	10.44	66536	73092	0.038	0.043
15)	B	Endosulfan II	10.39	11.63	64826	59524	0.041	0.041
18)	B	Endrin Aldehyde	10.73	12.24	62694	66812	0.039	0.037
19)	B	Endosulfan Sulfa	11.16	12.73	61468	55916	0.040	0.043
21)	B	Endrin Ketone	12.03	13.82	73448	67888	0.039m	0.040

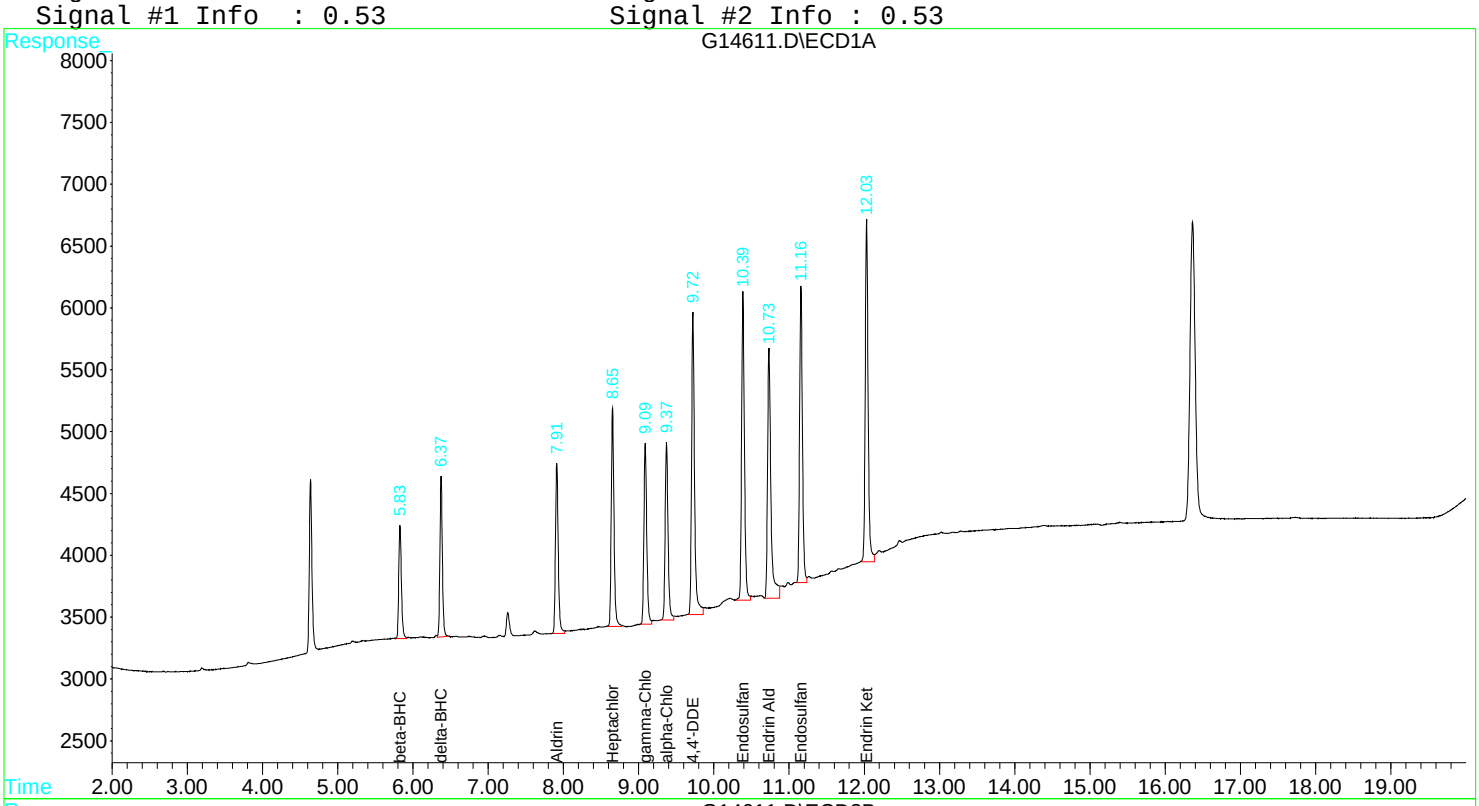
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

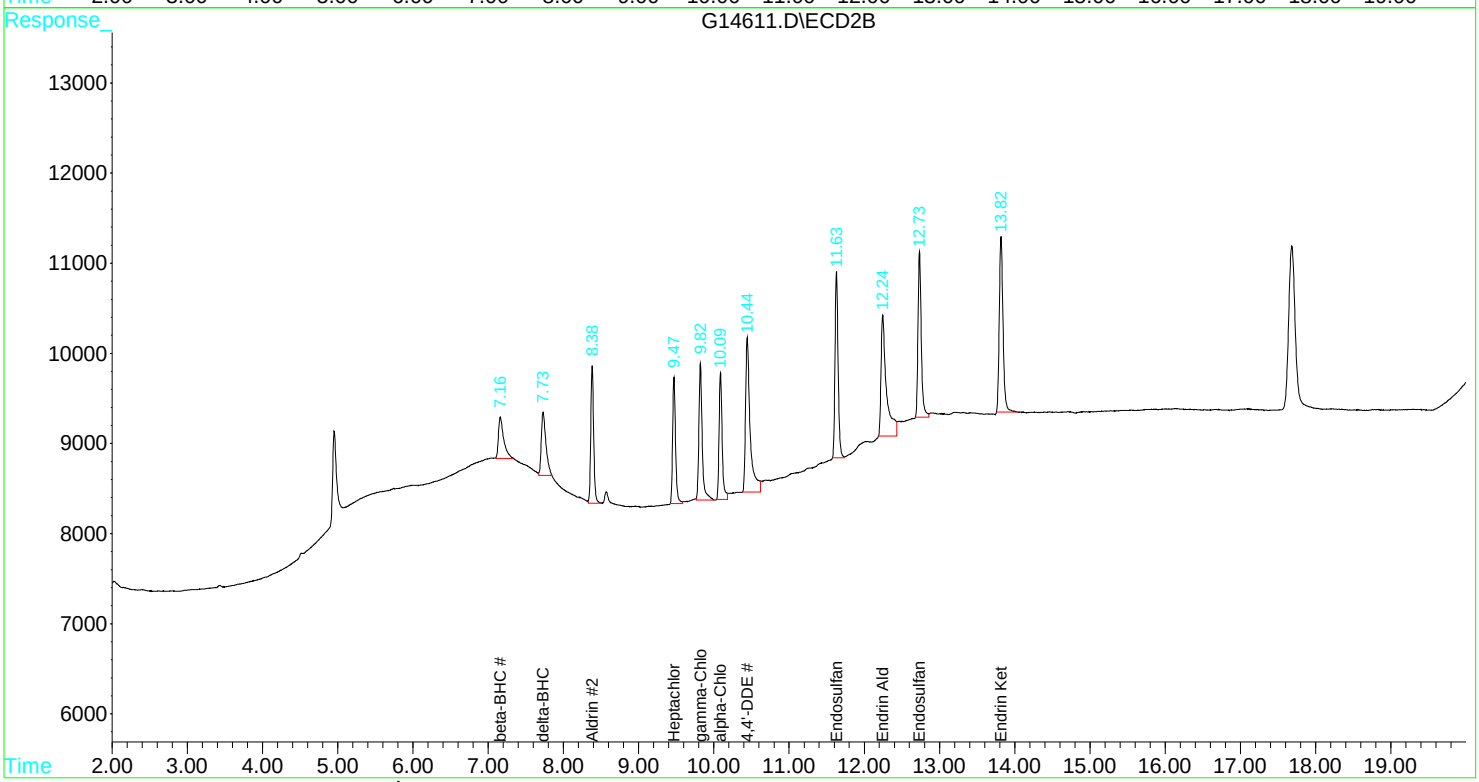
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14611.D\ECD1A.CH Vial: 12
Signal #2 : D:\G\DATA\DEC15\G1211\G14611.D\ECD2B.CH
Acq On : 11 Dec 2015 17:56 Operator: JAM
Sample : S5L1105-CALA Inst : GCECD_GH
Misc : MIX B 0.002 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:26 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Fri Dec 11 15:23:58 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14612.D\ECD1A.CH Vial: 13
Signal #2 : D:\G\DATA\DEC15\G1211\G14612.D\ECD2B.CH
Acq On : 11 Dec 2015 18:25 Operator: JAM
Sample : S5L1105-CALB Inst : GCECD_GH
Misc : TOXAPHENE 10.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:31 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
23)	Toxaphene {1}	9.73	10.66	1782562	2102560	51.062m	78.917m#
24)	Toxaphene {2}	10.62	11.77	1779252	5501332	35.684m	69.541m#
25)	Toxaphene {3}	11.96	12.24	2333322	2500096	31.727m	56.240m#
26)	Toxaphene {4}	12.43	13.18	697890	3078300	30.045m	70.766m#

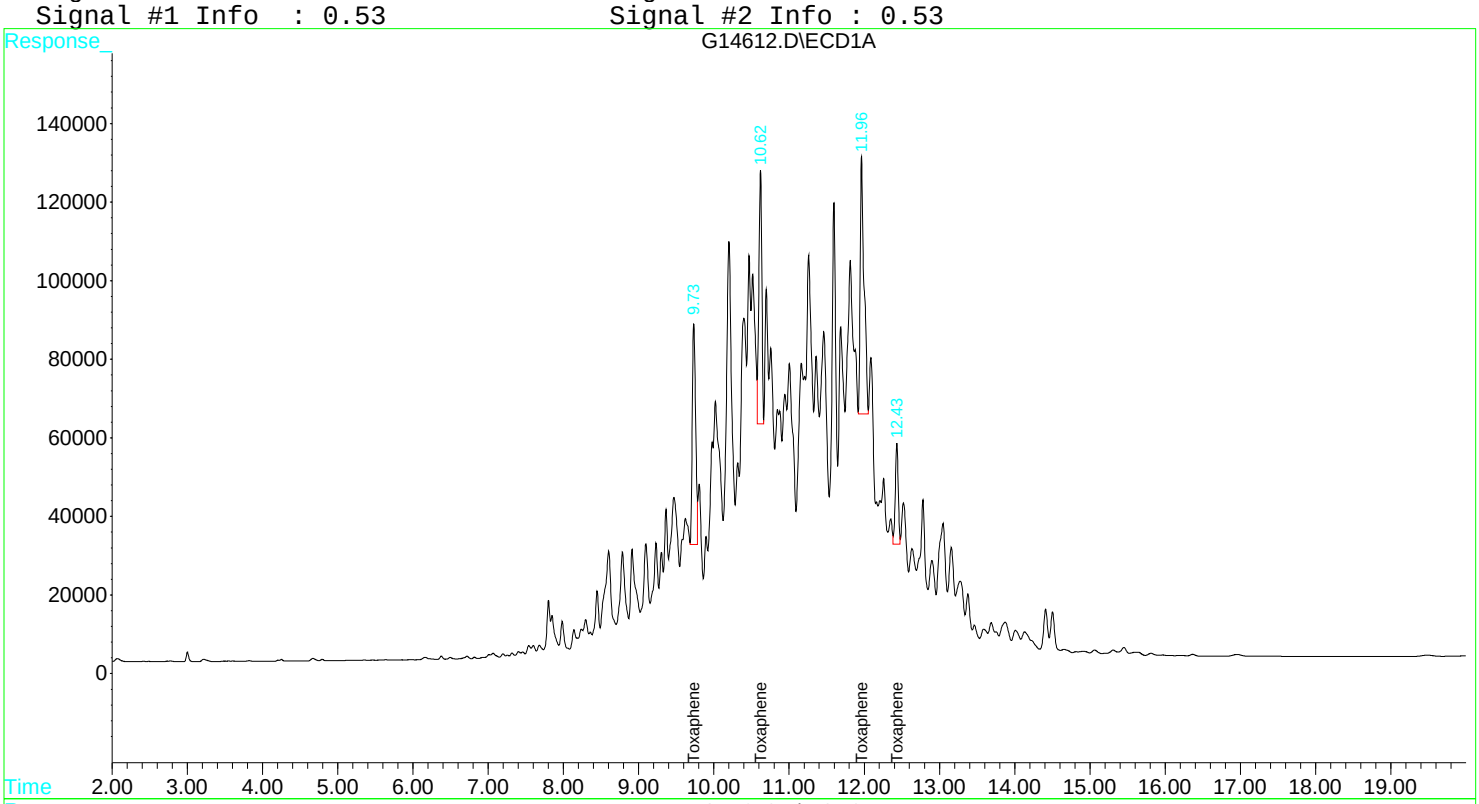
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

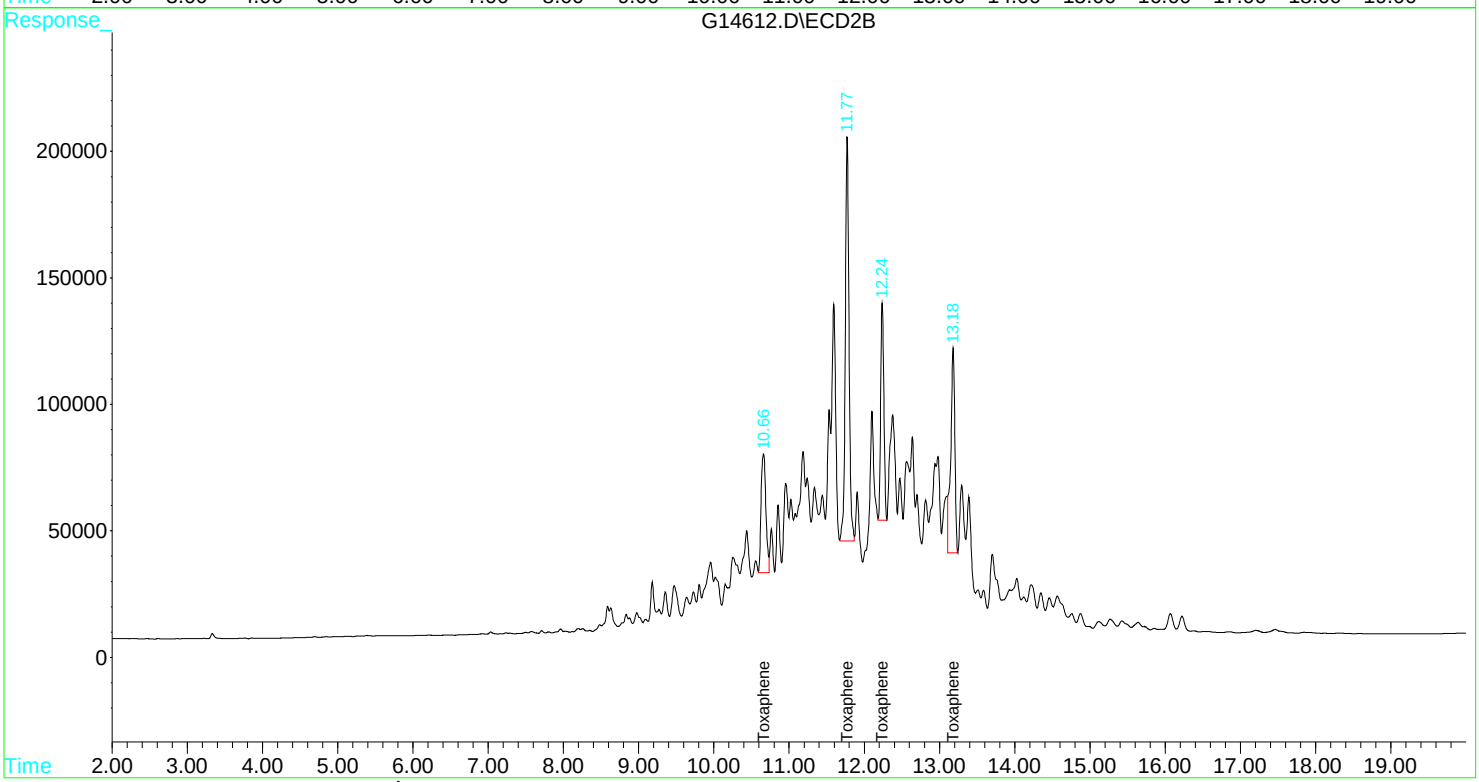
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14612.D\ECD1A.CH Vial: 13
Signal #2 : D:\G\DATA\DEC15\G1211\G14612.D\ECD2B.CH
Acq On : 11 Dec 2015 18:25 Operator: JAM
Sample : S5L1105-CALB Inst : GCECD_GH
Misc : TOXAPHENE 10.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:31 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14613.D\ECD1A.CH Vial: 14
Signal #2 : D:\G\DATA\DEC15\G1211\G14613.D\ECD2B.CH
Acq On : 11 Dec 2015 18:54 Operator: JAM
Sample : S5L1105-CALC Inst : GCECD_GH
Misc : TOXAPHENE 5.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:33 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
23)	Toxaphene {1}	9.73	10.66	1035416	1150660	29.660	43.189m#
24)	Toxaphene {2}	10.62	11.77	1088278	3098982	21.826m	39.173m#
25)	Toxaphene {3}	11.96	12.24	1353884	1470612	18.409m	33.082m#
26)	Toxaphene {4}	12.43	13.18	366030	1793336	15.758m	41.226m#

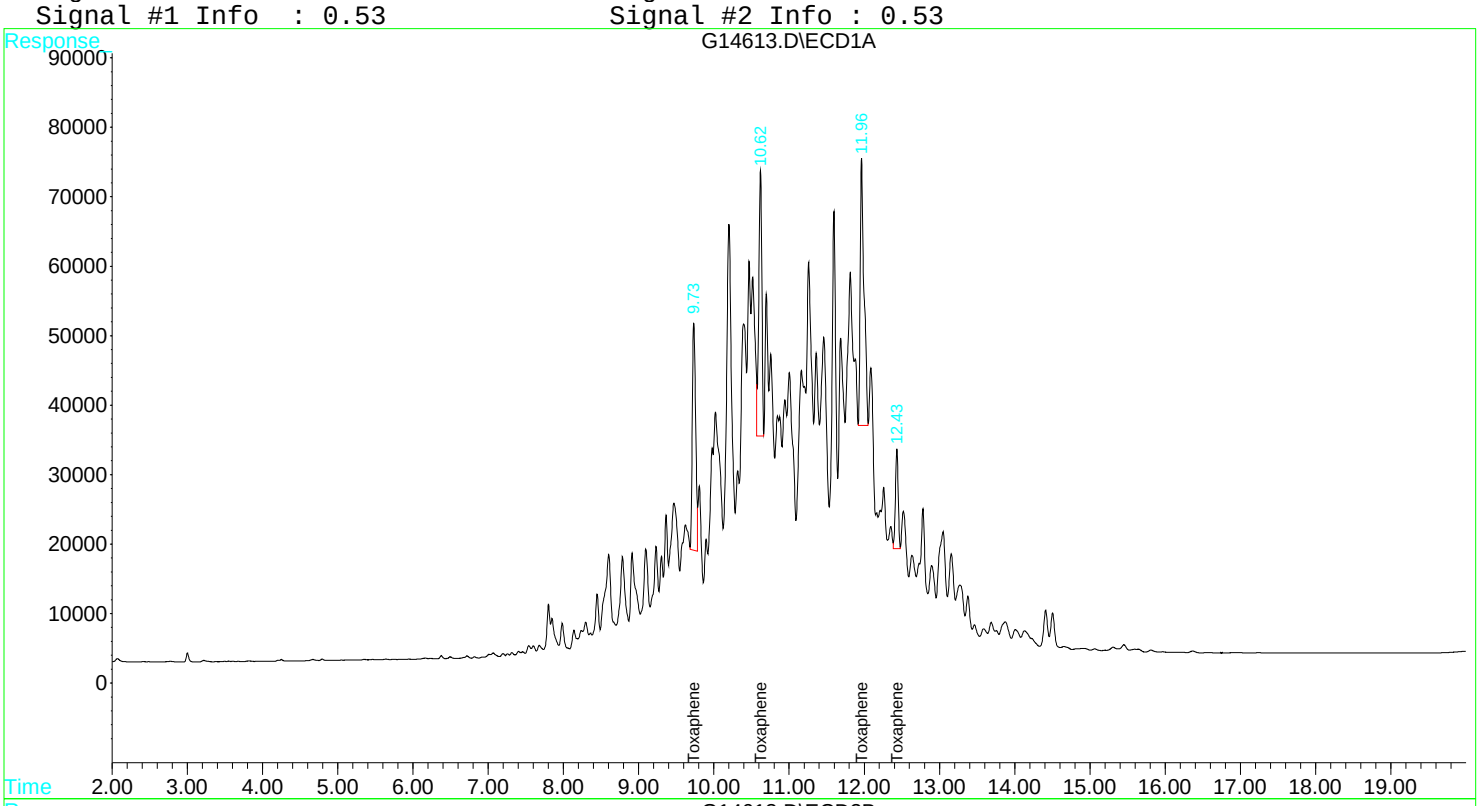
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

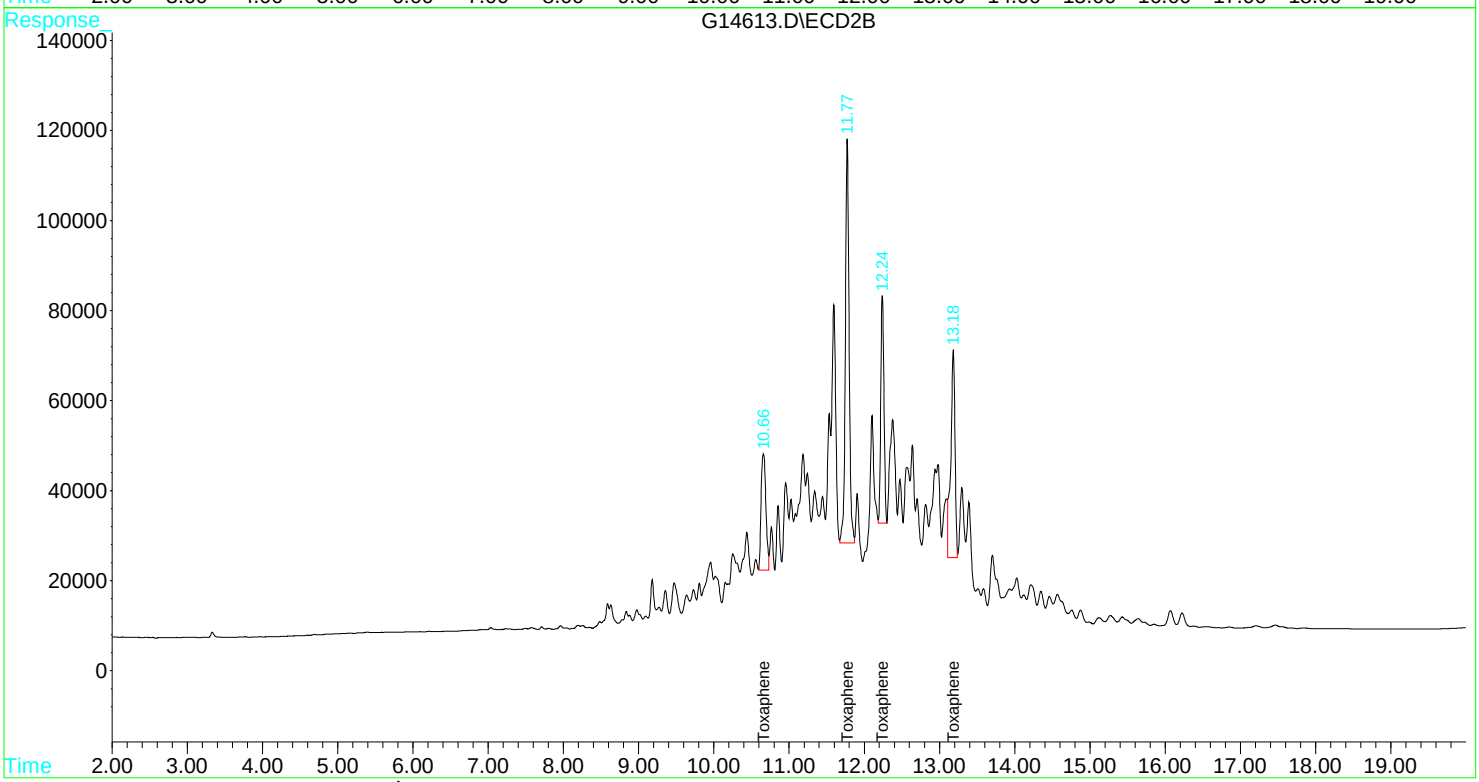
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14613.D\ECD1A.CH Vial: 14
Signal #2 : D:\G\DATA\DEC15\G1211\G14613.D\ECD2B.CH
Acq On : 11 Dec 2015 18:54 Operator: JAM
Sample : S5L1105-CALC Inst : GCECD_GH
Misc : TOXAPHENE 5.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:33 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14614.D\ECD1A.CH Vial: 15
Signal #2 : D:\G\DATA\DEC15\G1211\G14614.D\ECD2B.CH
Acq On : 11 Dec 2015 19:23 Operator: JAM
Sample : S5L1105-CALD Inst : GCECD_GH
Misc : TOXAPHENE 2.5 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:34 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
23)	Toxaphene {1}	9.73	10.66	527870	579850	15.121	21.764 #
24)	Toxaphene {2}	10.62	11.77	602842	1521834	12.090m	19.237 #
25)	Toxaphene {3}	11.96	12.24	742654	735138	10.098m	16.537m#
26)	Toxaphene {4}	12.43	13.18	171616	859310	7.388	19.754m#

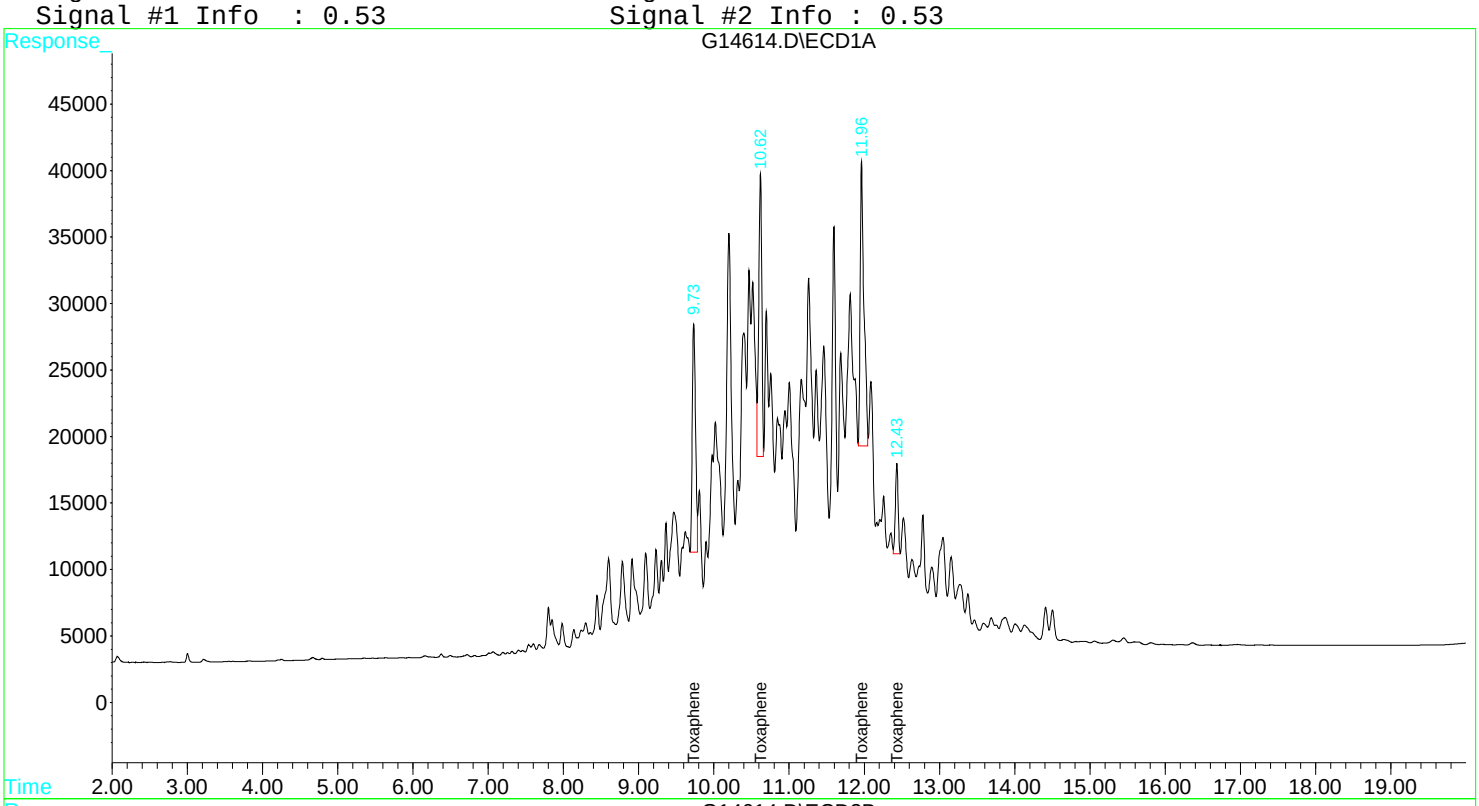
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

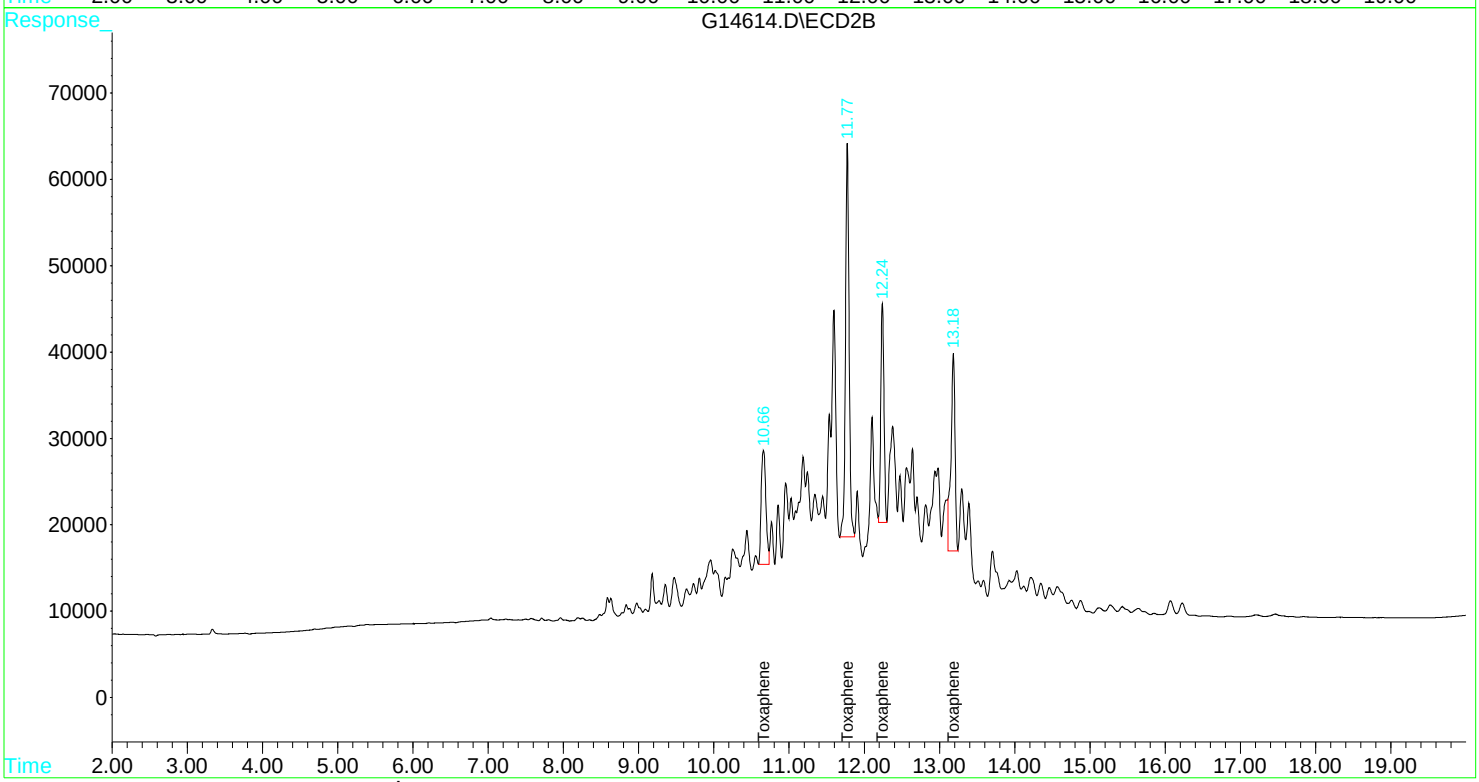
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14614.D\ECD1A.CH Vial: 15
Signal #2 : D:\G\DATA\DEC15\G1211\G14614.D\ECD2B.CH
Acq On : 11 Dec 2015 19:23 Operator: JAM
Sample : S5L1105-CALD Inst : GCECD_GH
Misc : TOXAPHENE 2.5 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:34 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14615.D\ECD1A.CH Vial: 16
Signal #2 : D:\G\DATA\DEC15\G1211\G14615.D\ECD2B.CH
Acq On : 11 Dec 2015 19:52 Operator: JAM
Sample : S5L1105-CALE Inst : GCECD_GH
Misc : TOXAPHENE 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:35 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
23)	Toxaphene {1}	9.73	10.66	224730	243252	6.437	9.130 #
24)	Toxaphene {2}	10.62	11.78	272172	626690	5.459m	7.922 #
25)	Toxaphene {3}	11.96	12.24	310270	301186	4.219m	6.775 #
26)	Toxaphene {4}	12.43	13.18	66764	332156	2.874m	7.636m#

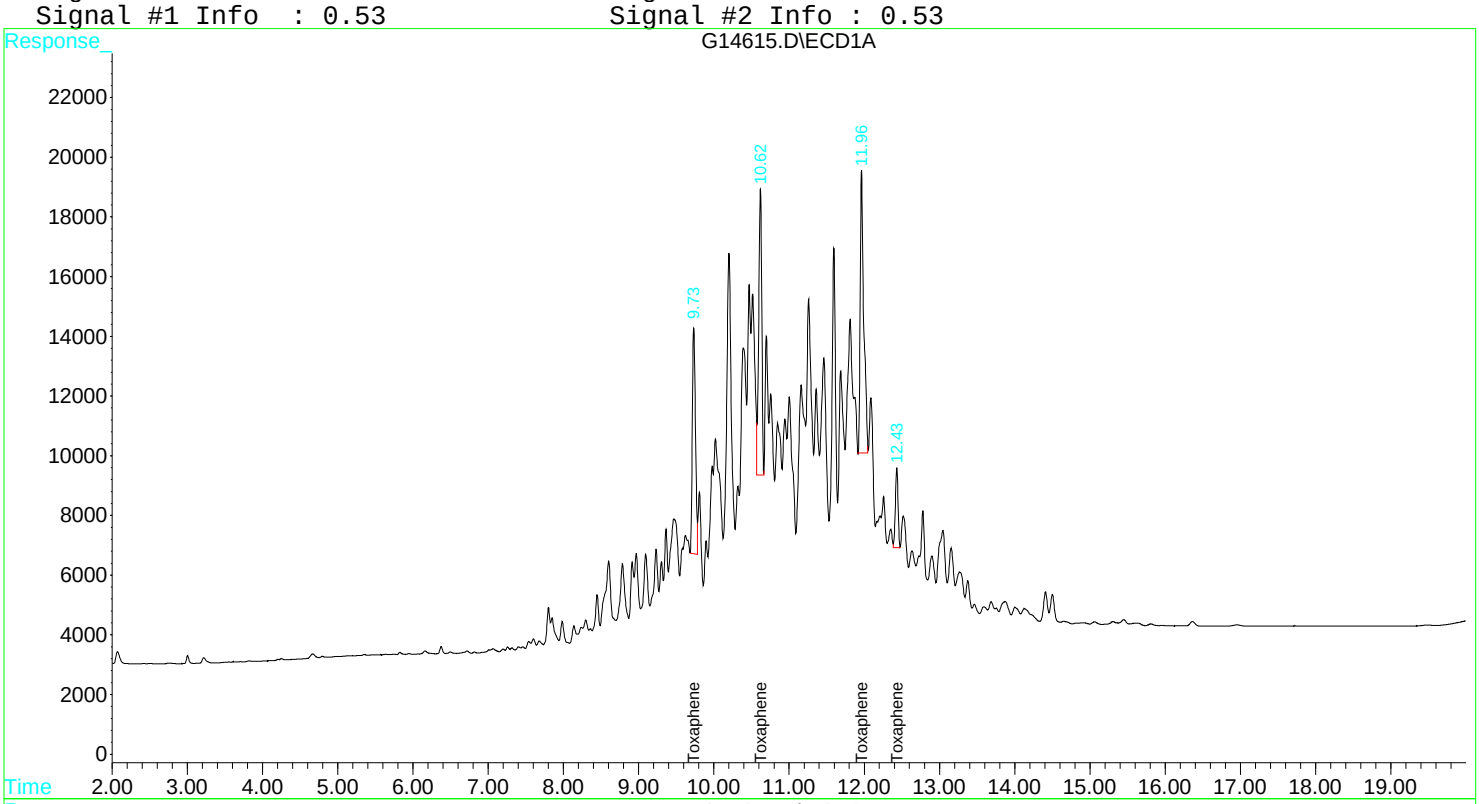
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

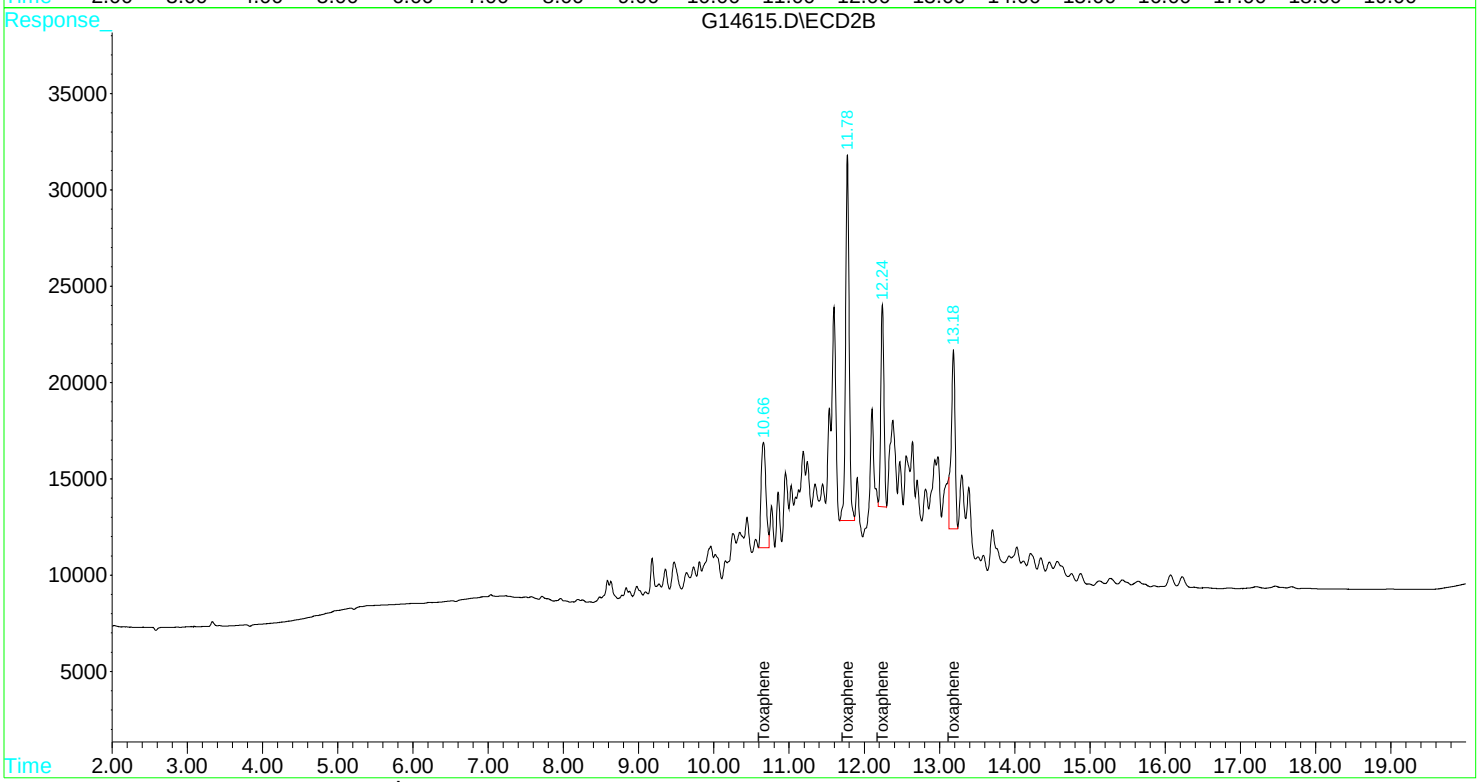
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14615.D\ECD1A.CH Vial: 16
Signal #2 : D:\G\DATA\DEC15\G1211\G14615.D\ECD2B.CH
Acq On : 11 Dec 2015 19:52 Operator: JAM
Sample : S5L1105-CALE Inst : GCECD_GH
Misc : TOXAPHENE 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:35 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14616.D\ECD1A.CH Vial: 17
Signal #2 : D:\G\DATA\DEC15\G1211\G14616.D\ECD2B.CH
Acq On : 11 Dec 2015 20:21 Operator: JAM
Sample : S5L1105-CALF Inst : GCECD_GH
Misc : TOXAPHENE 0.1 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:37 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
23)	Toxaphene {1}	9.73	10.66	24622	27320	0.705	1.025 #
24)	Toxaphene {2}	10.62	11.77	28710	59864	0.576	0.757 #
25)	Toxaphene {3}	11.96	12.24	34302	38844	0.466m	0.874 #
26)	Toxaphene {4}	12.44	13.19	8100	22980	0.349m	0.528 #

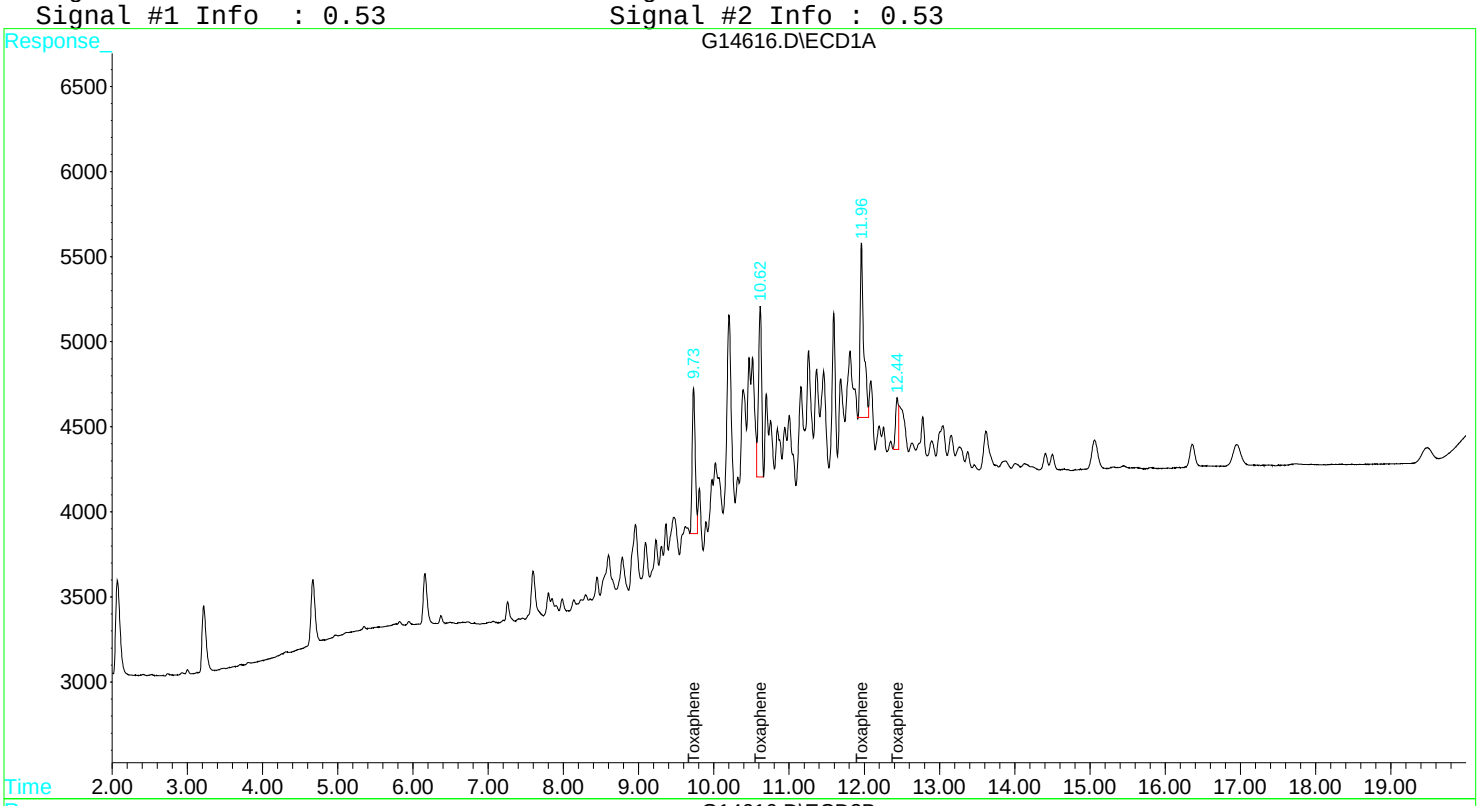
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

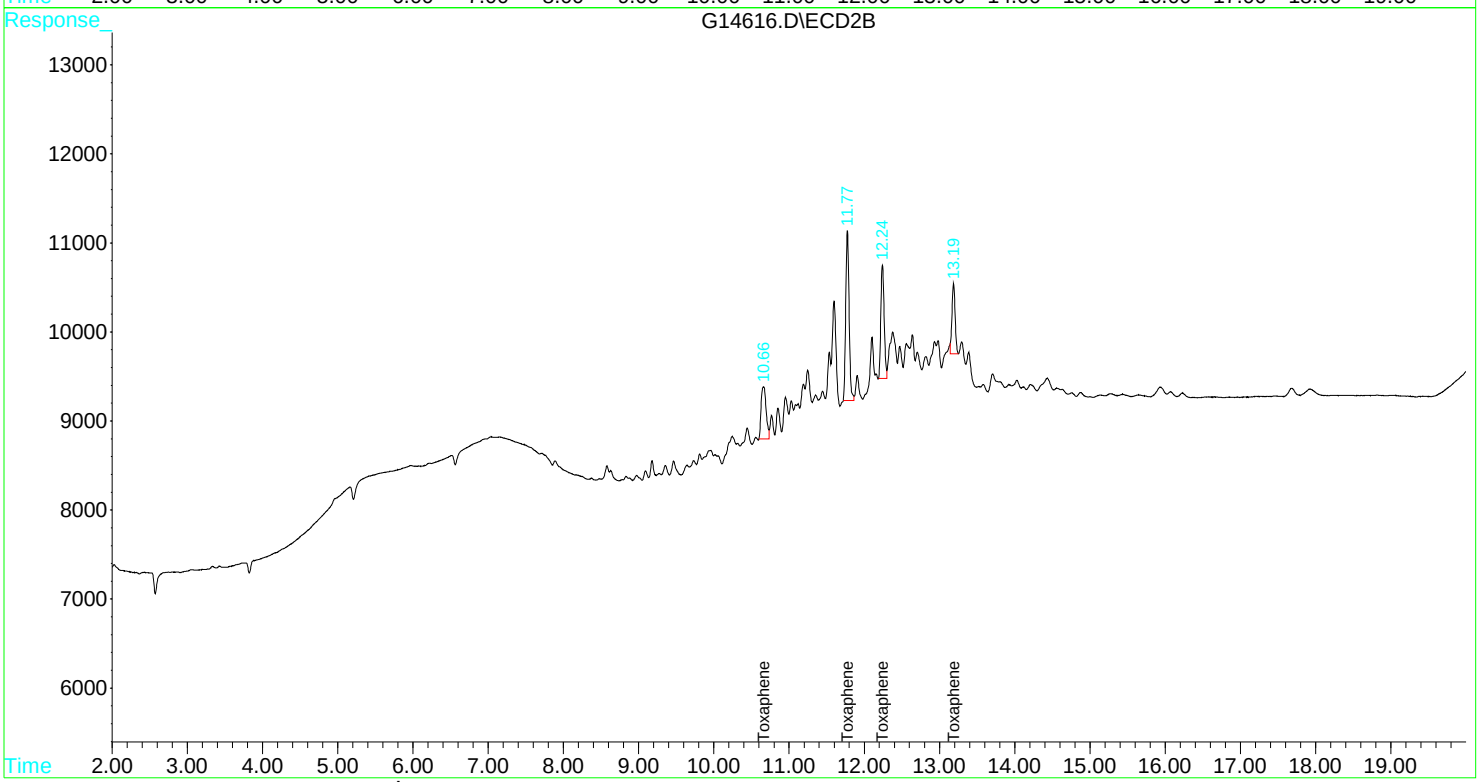
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14616.D\ECD1A.CH Vial: 17
Signal #2 : D:\G\DATA\DEC15\G1211\G14616.D\ECD2B.CH
Acq On : 11 Dec 2015 20:21 Operator: JAM
Sample : S5L1105-CALF Inst : GCECD_GH
Misc : TOXAPHENE 0.1 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:37 2015 Quant Results File: PG81211.RES

Quant Method : D:\G\METHODS\PG81211.M (RTE Integrator)
Title : 8081 Pesticides
Last Update : Mon Dec 14 09:29:10 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. : 1 ul
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLP PSTII
Signal #1 Info : 0.53 Signal #2 Info : 0.53





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14617.D\ECD1A.CH Vial: 18
Signal #2 : D:\G\DATA\DEC15\G1211\G14617.D\ECD2B.CH
Acq On : 11 Dec 2015 20:51 Operator: JAM
Sample : S5L1105-CALG Inst : GCECD_GH
Misc : A1016/1260 2.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:48 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
2)	L1 Aroclor-1016	6.45	6.73	86360	127591	27.418	26.963
3)	L1 Aroclor-1016 {2}	6.95	7.62	247815	257241	28.252	30.469
4)	L1 Aroclor-1016 {3}	7.14	7.87	111731	124548	27.920	31.194
20)	L7 Aroclor-1260	10.32	11.38	168624	209338	24.435	24.760
21)	L7 Aroclor-1260 {2}	11.26	12.70	260588	150084	26.332	25.558
22)	L7 Aroclor-1260 {3}	12.46	13.98	389111	271569	26.667	27.367

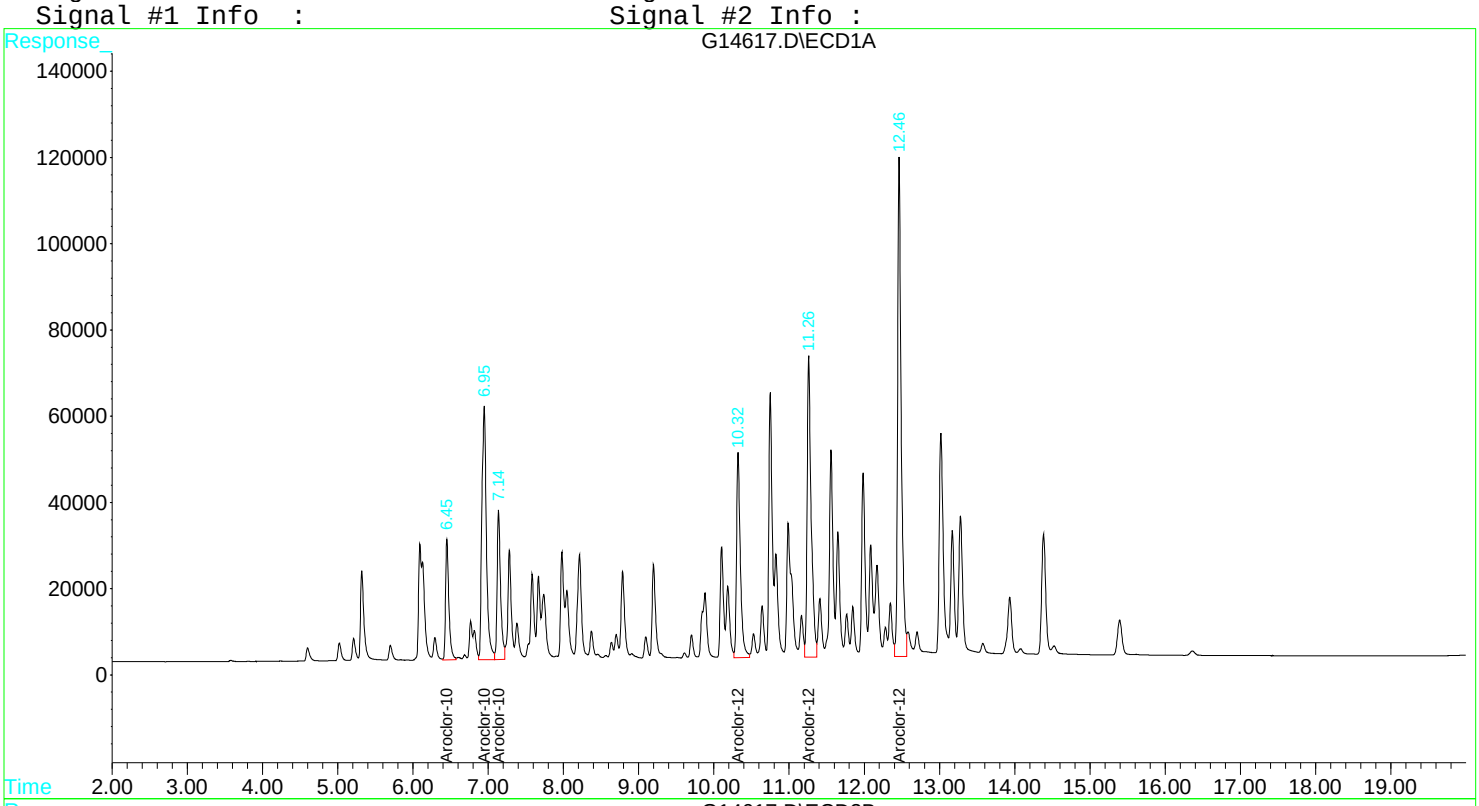
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

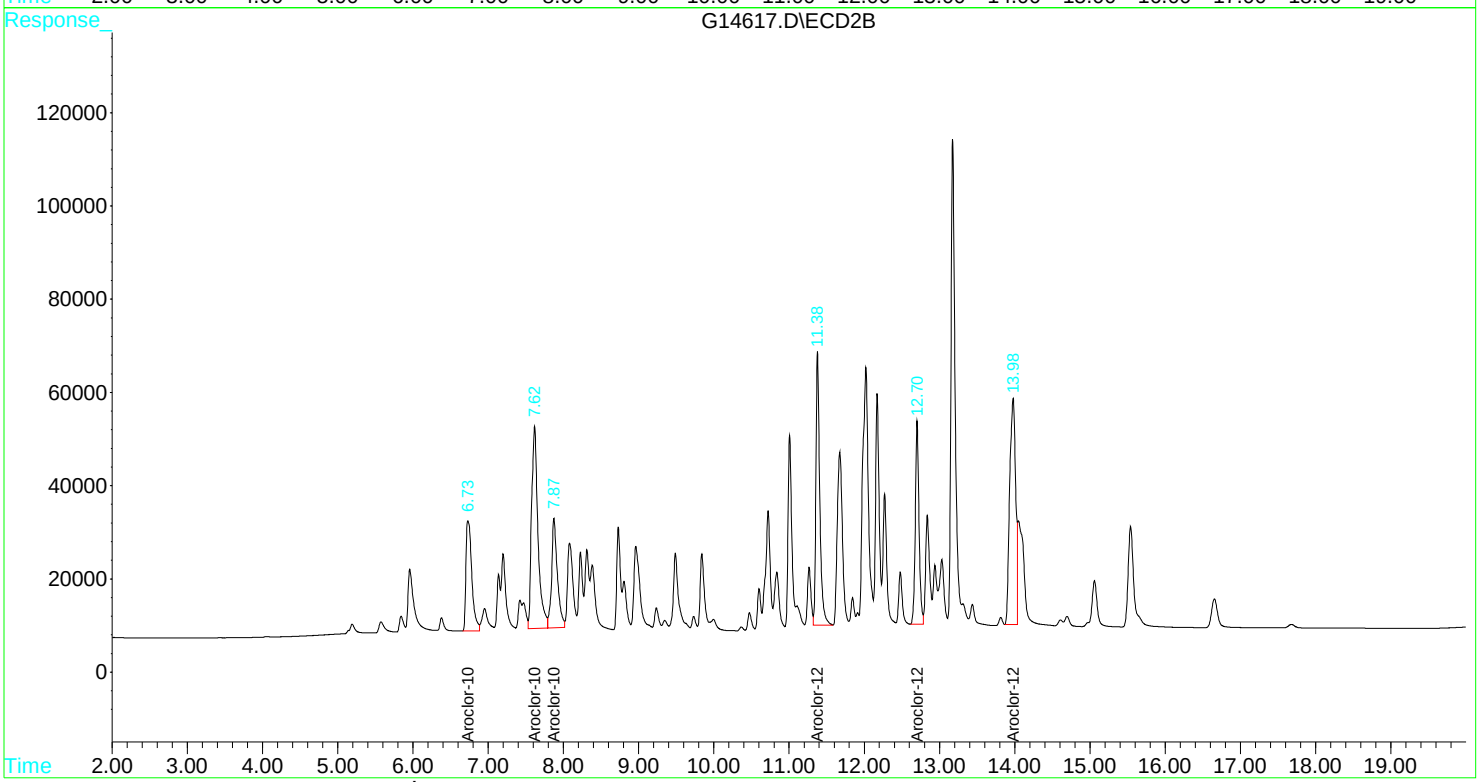
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14617.D\ECD1A.CH Vial: 18
Signal #2 : D:\G\DATA\DEC15\G1211\G14617.D\ECD2B.CH
Acq On : 11 Dec 2015 20:51 Operator: JAM
Sample : S5L1105-CALG Inst : GCECD_GH
Misc : A1016/1260 2.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:48 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14618.D\ECD1A.CH Vial: 19
Signal #2 : D:\G\DATA\DEC15\G1211\G14618.D\ECD2B.CH
Acq On : 11 Dec 2015 21:20 Operator: JAM
Sample : S5L1105-CALH Inst : GCECD_GH
Misc : A1016/1260 1.5 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:48 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
2)	L1	Aroclor-1016	6.45	6.73	67564	101462	21.451	21.442
3)	L1	Aroclor-1016 {2}	6.95	7.62	194341	201859	22.156	23.910
4)	L1	Aroclor-1016 {3}	7.13	7.88	87792	99005	21.938	24.797
20)	L7	Aroclor-1260	10.32	11.38	131670	164058	19.080	19.404
21)	L7	Aroclor-1260 {2}	11.26	12.70	202106	116547	20.422	19.847
22)	L7	Aroclor-1260 {3}	12.46	13.98	299718	206926	20.541	20.853

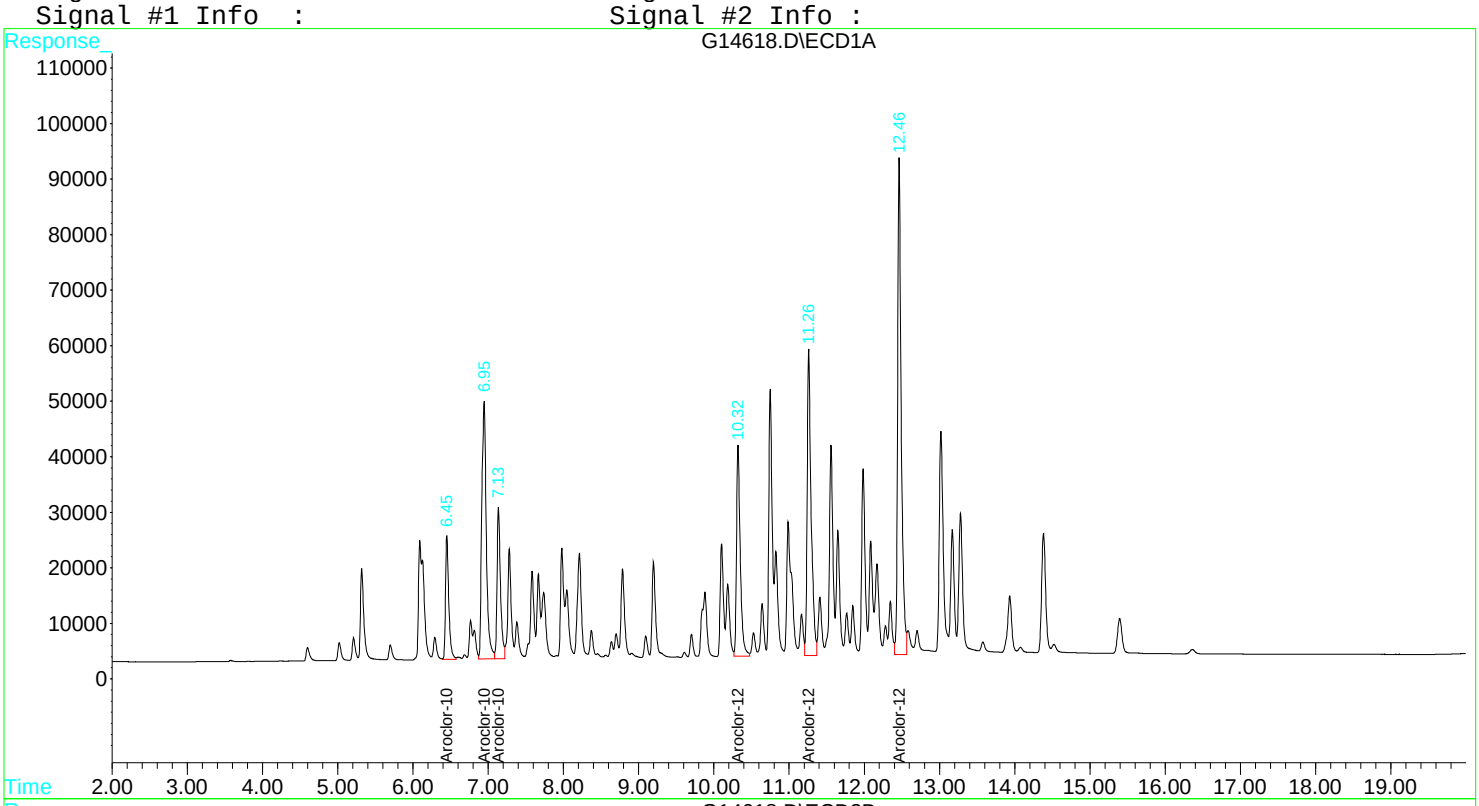
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

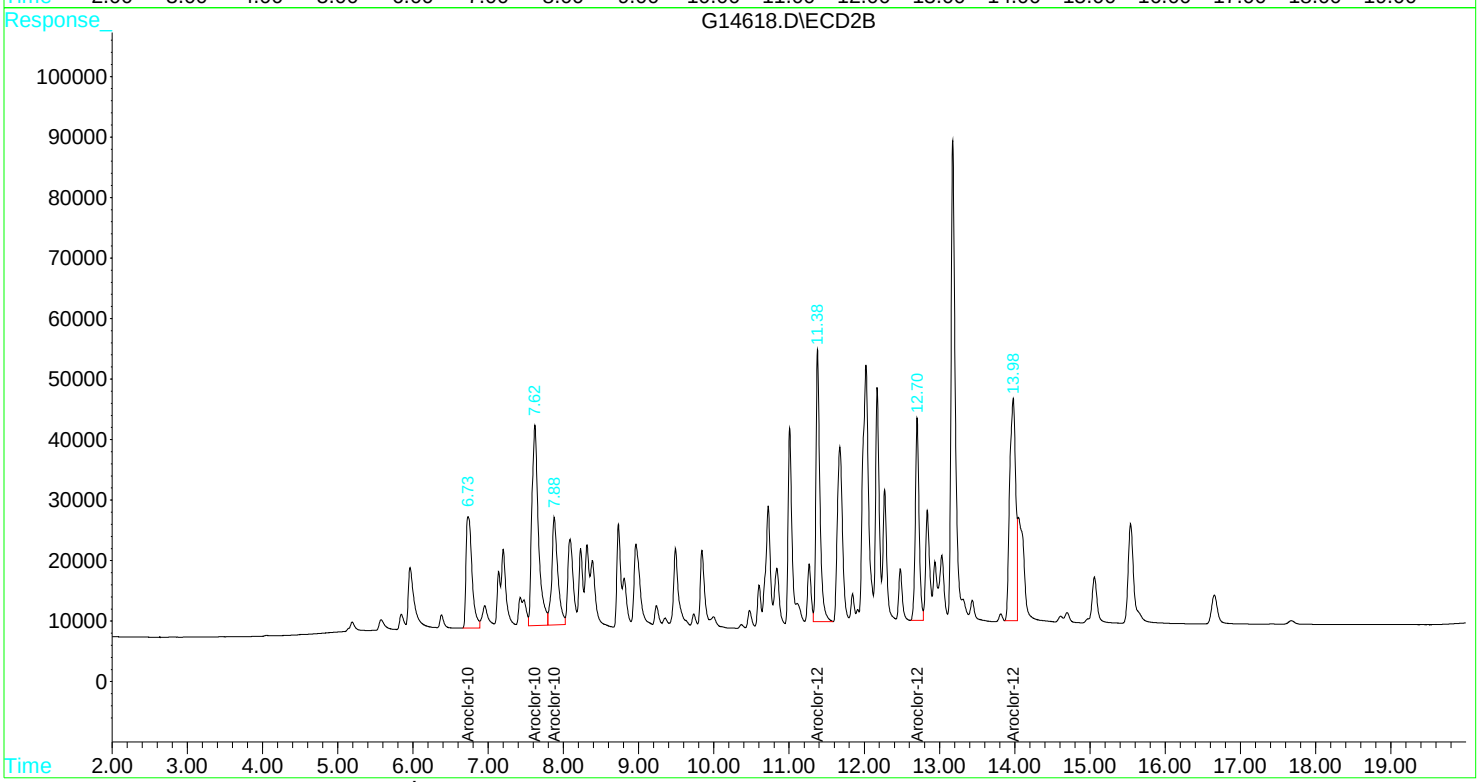
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14618.D\ECD1A.CH Vial: 19
Signal #2 : D:\G\DATA\DEC15\G1211\G14618.D\ECD2B.CH
Acq On : 11 Dec 2015 21:20 Operator: JAM
Sample : S5L1105-CALH Inst : GCECD_GH
Misc : A1016/1260 1.5 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:48 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14619.D\ECD1A.CH Vial: 20
Signal #2 : D:\G\DATA\DEC15\G1211\G14619.D\ECD2B.CH
Acq On : 11 Dec 2015 21:49 Operator: JAM
Sample : S5L1105-CALI Inst : GCECD_GH
Misc : A1016/1260 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:49 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

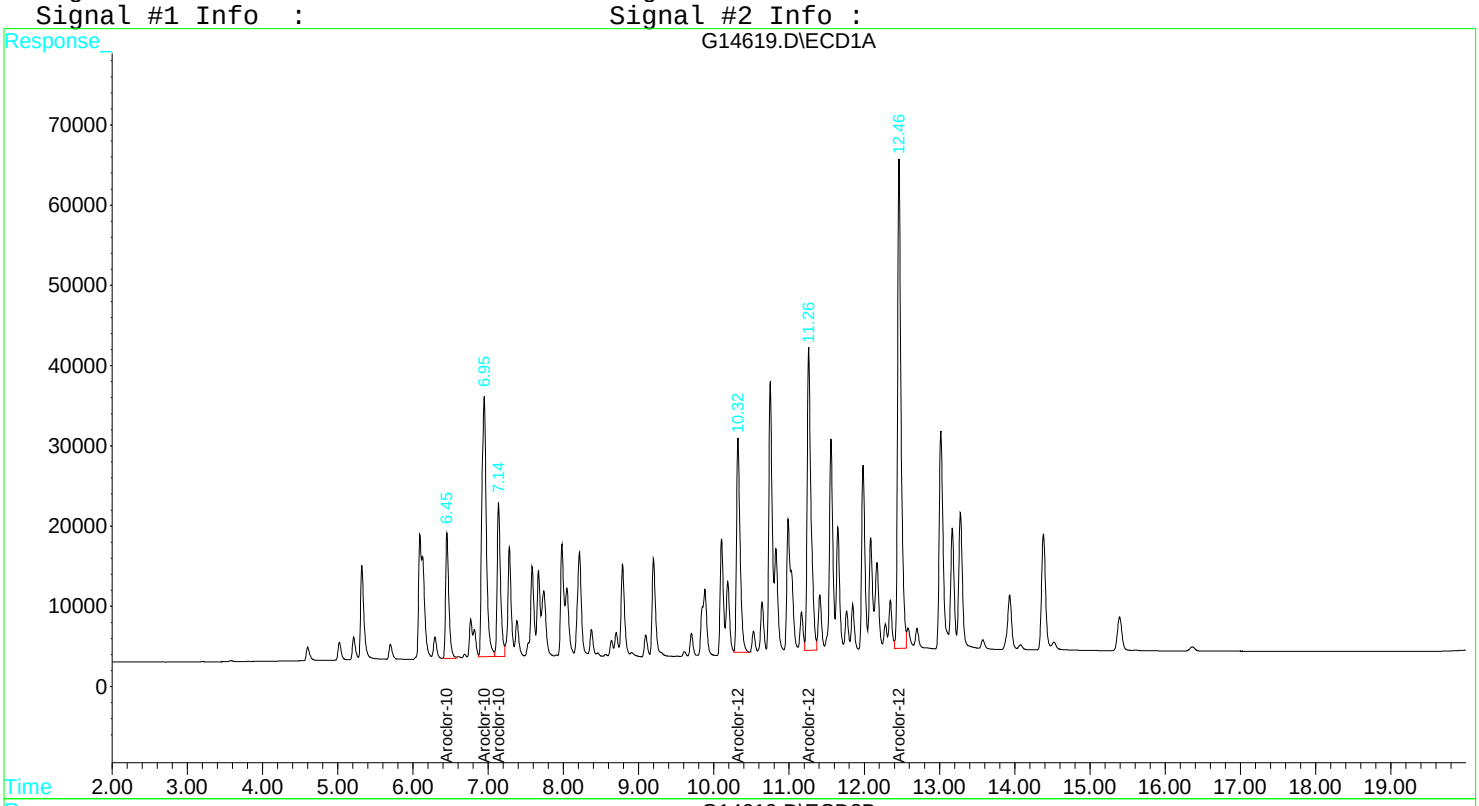
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
2)	L1	Aroclor-1016	6.45	6.73	46890	71830	14.887	15.180
3)	L1	Aroclor-1016 {2}	6.95	7.63	134161	140840	15.295	16.682
4)	L1	Aroclor-1016 {3}	7.14	7.88	60126	70504	15.024	17.658
20)	L7	Aroclor-1260	10.32	11.38	88808	114365	12.869	13.527
21)	L7	Aroclor-1260 {2}	11.26	12.70	135067	80248	13.648	13.665
22)	L7	Aroclor-1260 {3}	12.46	13.98	198218	141023	13.585	14.211

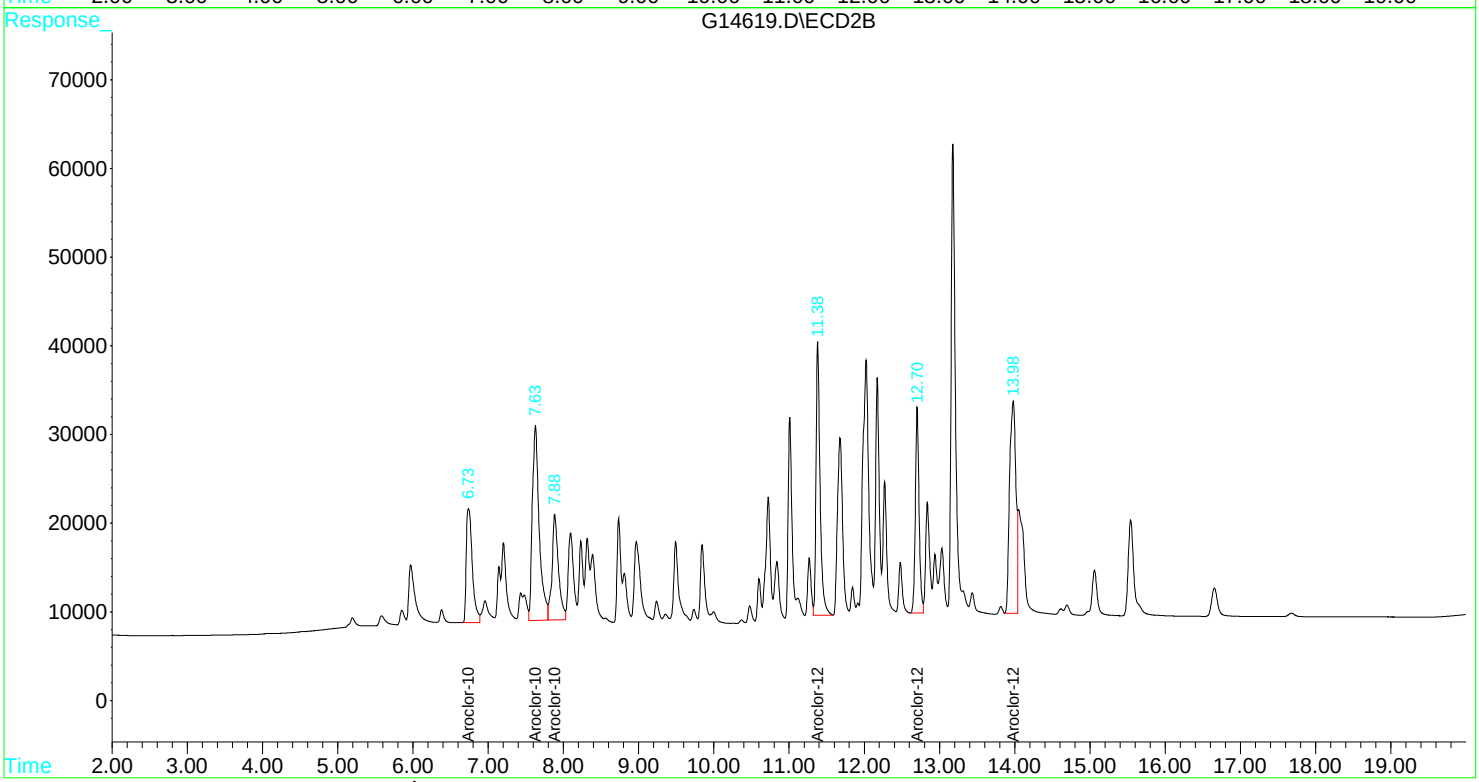
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : D:\G\DATA\DEC15\G1211\G14619.D\ECD1A.CH Vial: 20
Signal #2 : D:\G\DATA\DEC15\G1211\G14619.D\ECD2B.CH
Acq On : 11 Dec 2015 21:49 Operator: JAM
Sample : S5L1105-CALI Inst : GCECD_GH
Misc : A1016/1260 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:49 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14620.D\ECD1A.CH Vial: 21
Signal #2 : D:\G\DATA\DEC15\G1211\G14620.D\ECD2B.CH
Acq On : 11 Dec 2015 22:18 Operator: JAM
Sample : S5L1105-CALJ Inst : GCECD_GH
Misc : A1016/1260 0.5 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:50 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
2)	L1	Aroclor-1016	6.45	6.74	25398	39593	8.064	8.367
3)	L1	Aroclor-1016 {2}	6.95	7.64	73275	66658	8.354	7.895
4)	L1	Aroclor-1016 {3}	7.14	7.89	32935	33046	8.230	8.277
20)	L7	Aroclor-1260	10.32	11.39	50229	61726	7.279	7.301
21)	L7	Aroclor-1260 {2}	11.26	12.70	73988	42415	7.476	7.223
22)	L7	Aroclor-1260 {3}	12.46	13.99	106517	72278	7.300	7.284

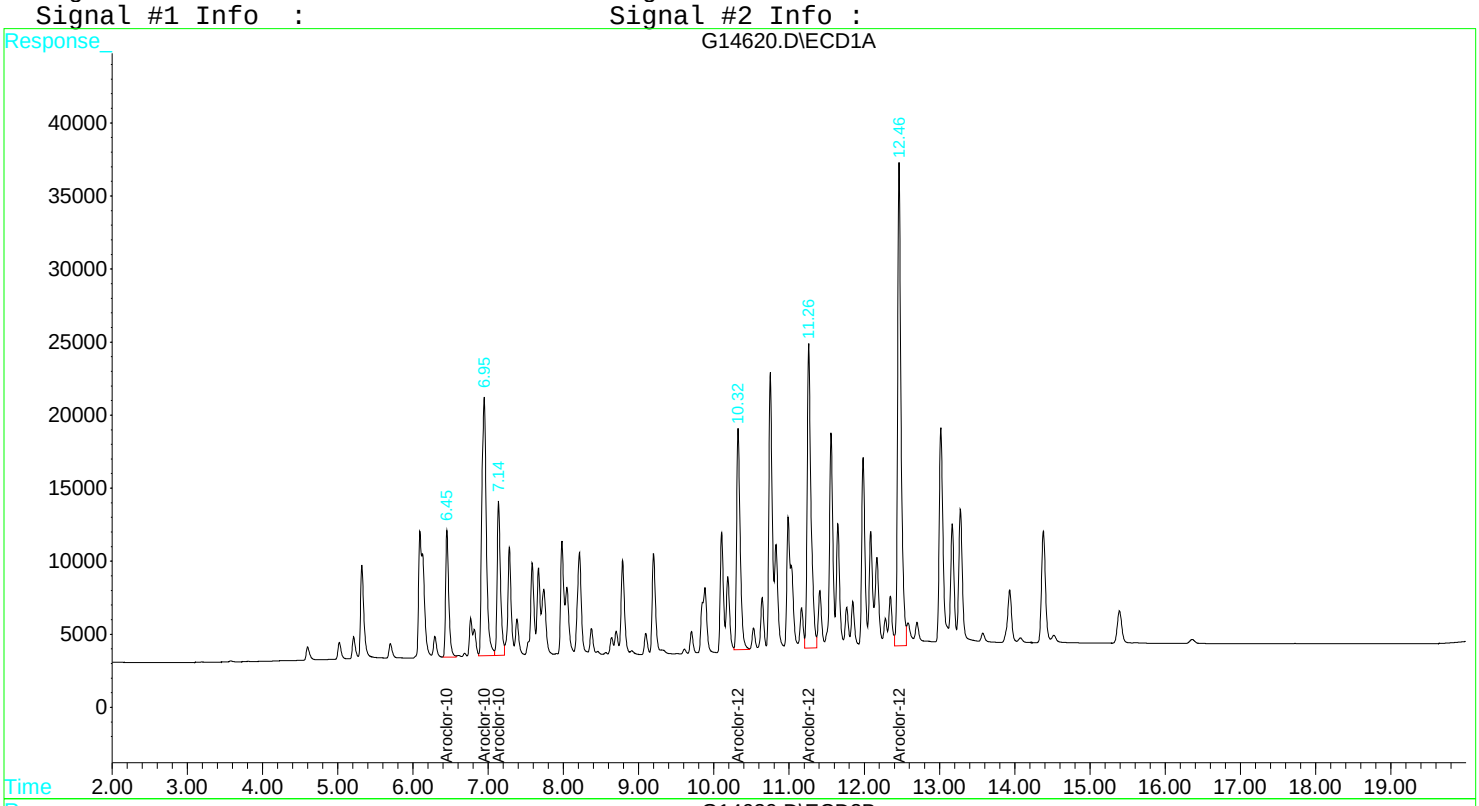
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

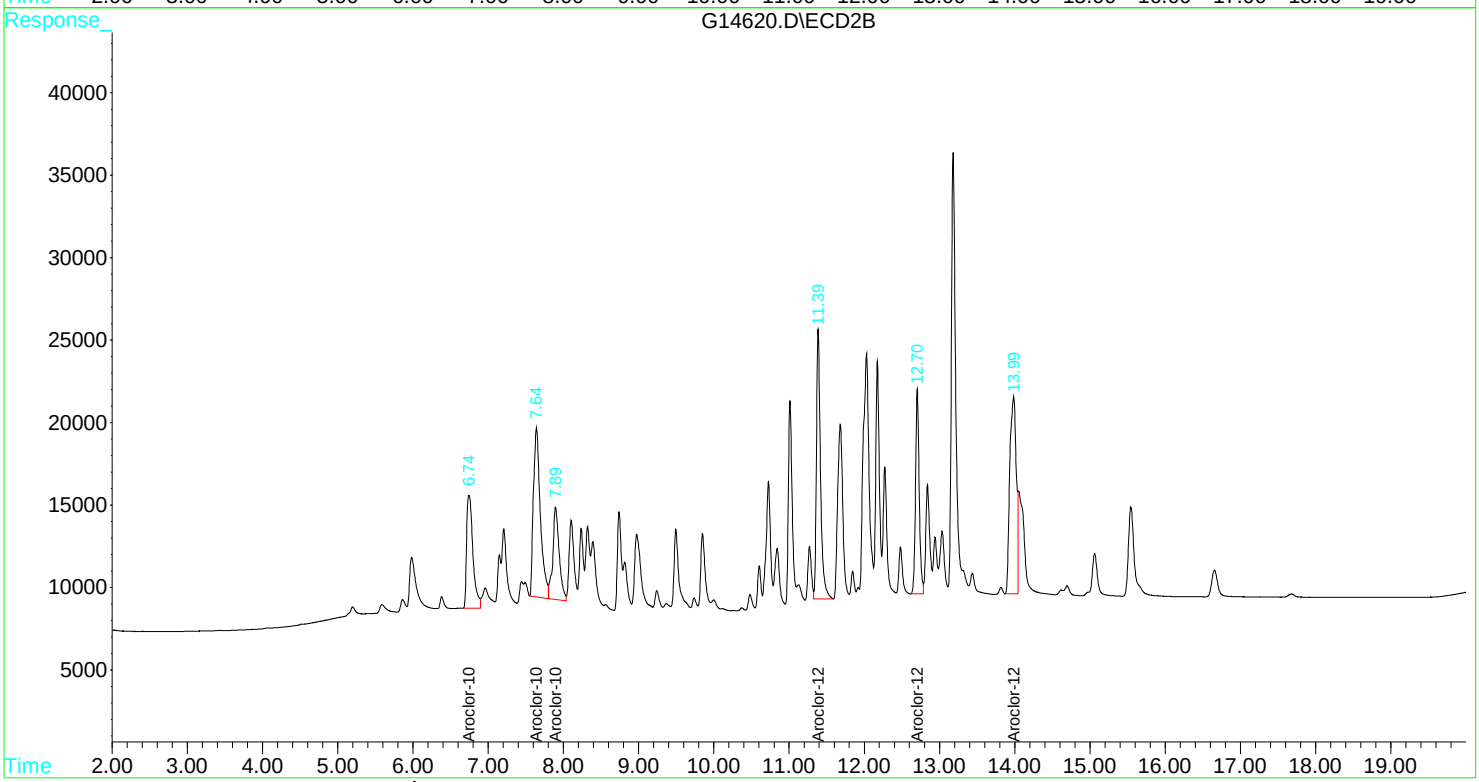
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14620.D\ECD1A.CH Vial: 21
Signal #2 : D:\G\DATA\DEC15\G1211\G14620.D\ECD2B.CH
Acq On : 11 Dec 2015 22:18 Operator: JAM
Sample : S5L1105-CALJ Inst : GCECD_GH
Misc : A1016/1260 0.5 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:50 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14621.D\ECD1A.CH Vial: 22
Signal #2 : D:\G\DATA\DEC15\G1211\G14621.D\ECD2B.CH
Acq On : 11 Dec 2015 22:47 Operator: JAM
Sample : S5L1105-CALK Inst : GCECD_GH
Misc : A1016/1260 0.1 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:51 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		System Monitoring Compounds						
		Target Compounds						
2)	L1	Aroclor-1016	6.45	6.76	5643	8789	1.792	1.857
3)	L1	Aroclor-1016 {2}	6.95	7.67f	16676	14139	1.901	1.675m
4)	L1	Aroclor-1016 {3}	7.14	7.92f	7462	5437	1.865	1.362 #
20)	L7	Aroclor-1260	10.32	11.39	12679	13821	1.837	1.635
21)	L7	Aroclor-1260 {2}	11.26	12.71	16512	9099	1.668	1.549
22)	L7	Aroclor-1260 {3}	12.46	13.99	22568	15226	1.547	1.534m

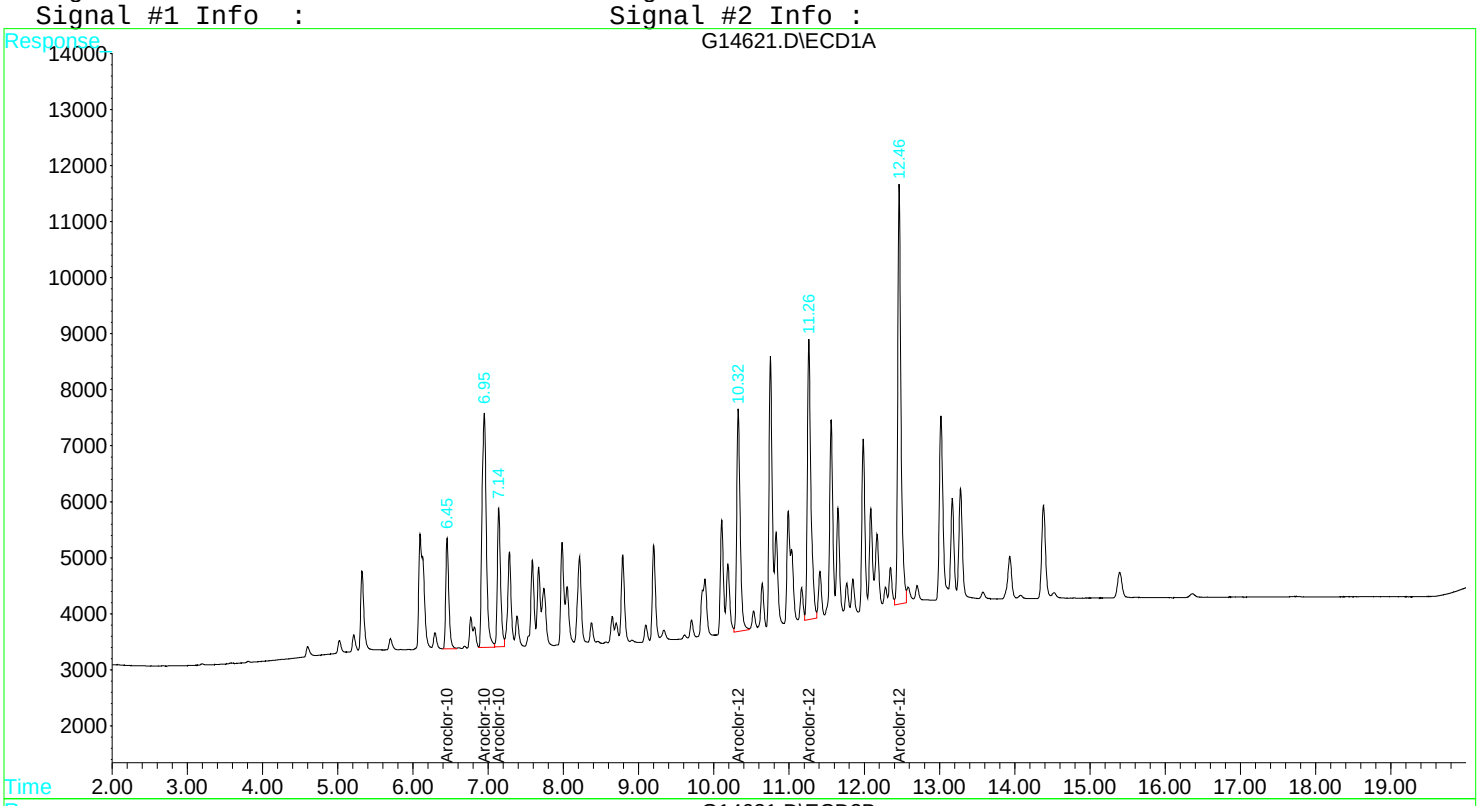
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

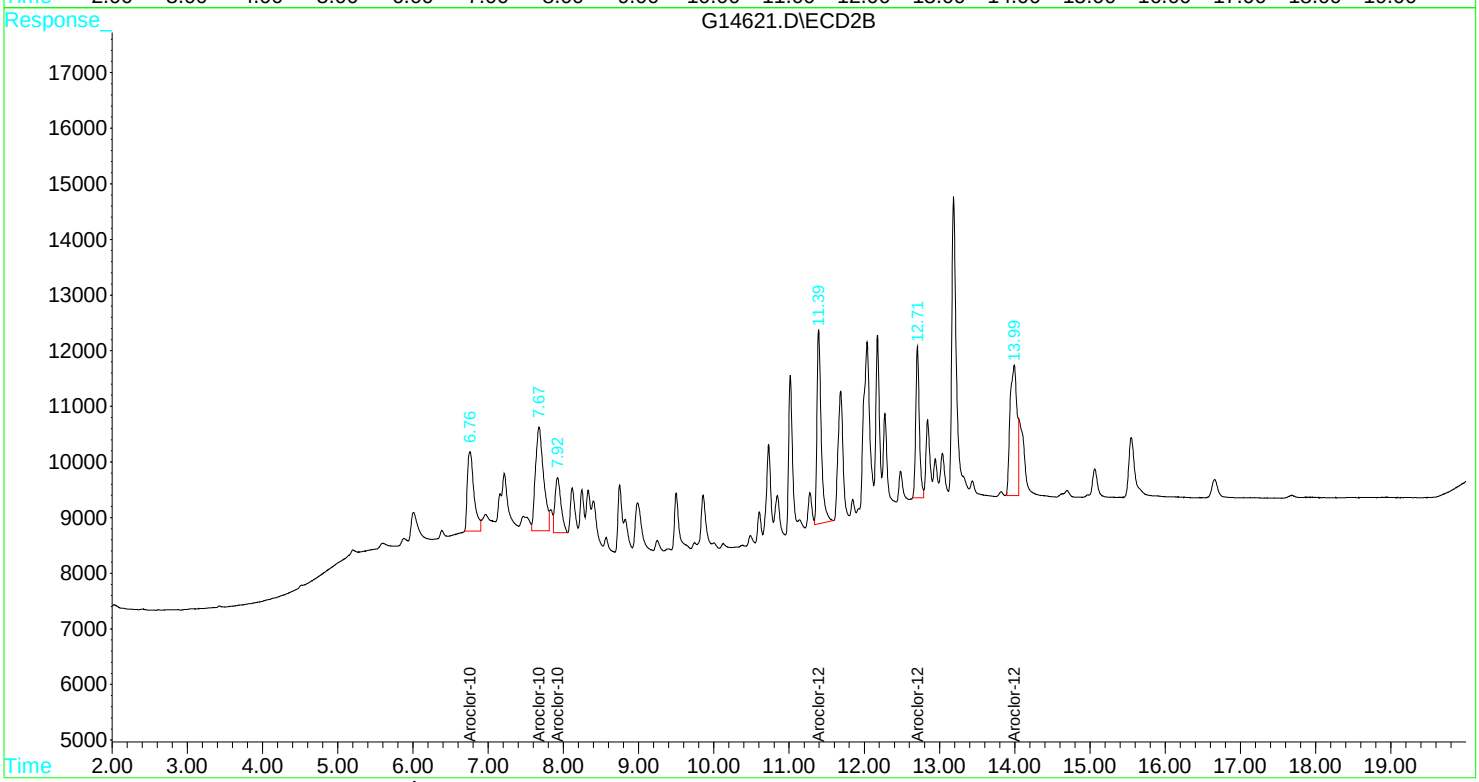
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14621.D\ECD1A.CH Vial: 22
Signal #2 : D:\G\DATA\DEC15\G1211\G14621.D\ECD2B.CH
Acq On : 11 Dec 2015 22:47 Operator: JAM
Sample : S5L1105-CALK Inst : GCECD_GH
Misc : A1016/1260 0.1 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:51 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14622.D\ECD1A.CH Vial: 23
Signal #2 : D:\G\DATA\DEC15\G1211\G14622.D\ECD2B.CH
Acq On : 11 Dec 2015 23:16 Operator: JAM
Sample : S5L1105-ARC1 Inst : GCECD_GH
Misc : A1221/1254 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:53 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
5)	L2 Aroclor-1221	5.02	5.57	24891	24766	17.260	17.910
6)	L2 Aroclor-1221 {2}	5.21	5.84	17538	14873	16.608	16.112
7)	L2 Aroclor-1221 {3}	5.32	5.96	58633	63661	15.585	16.690
17)	L6 Aroclor-1254	7.98	9.83	23580	65364	13.541	14.352
18)	L6 Aroclor-1254 {2}	10.35	11.09	126061	92810	15.305	14.156
19)	L6 Aroclor-1254 {3}	11.26	12.03	115305	116343	15.266	14.876

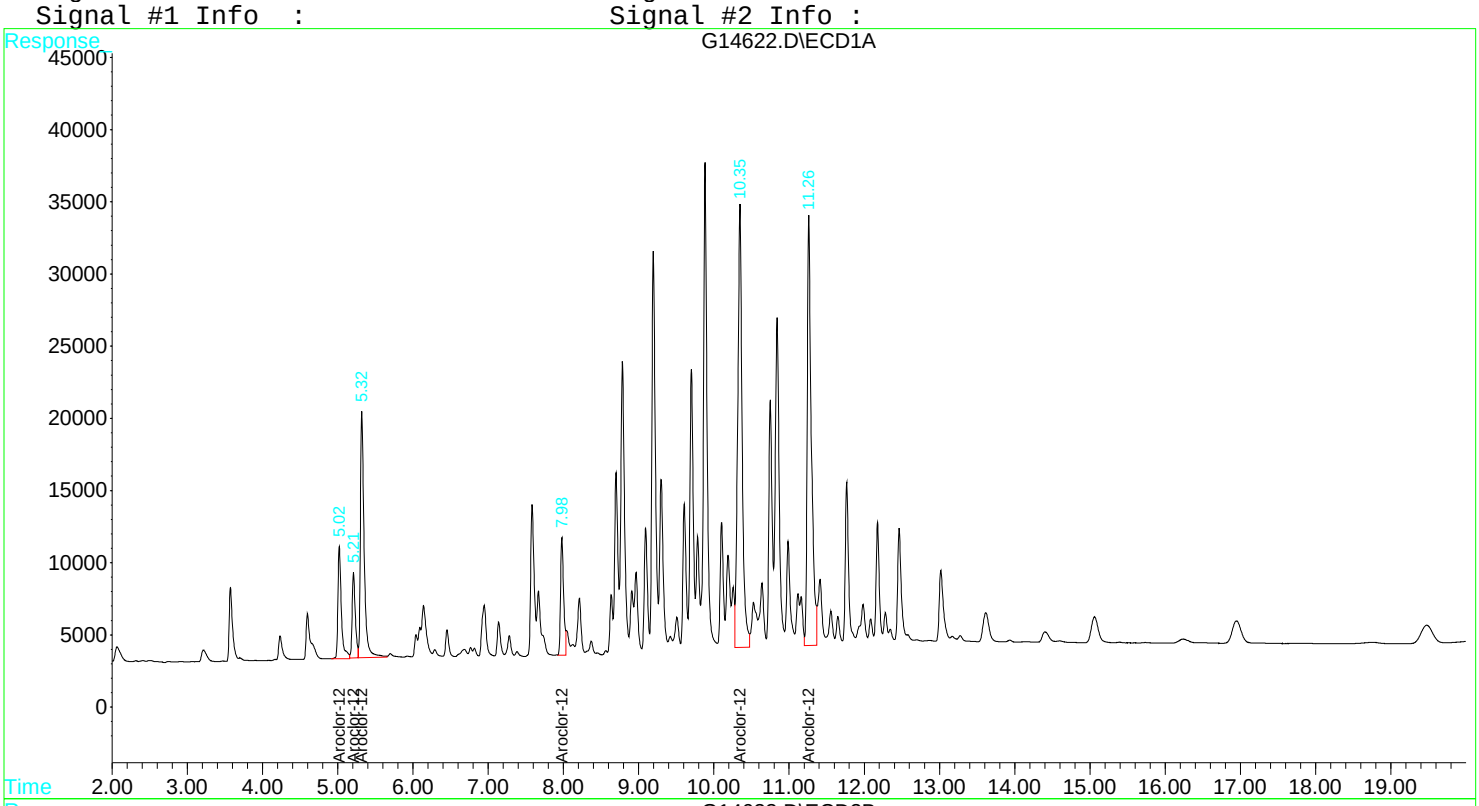
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

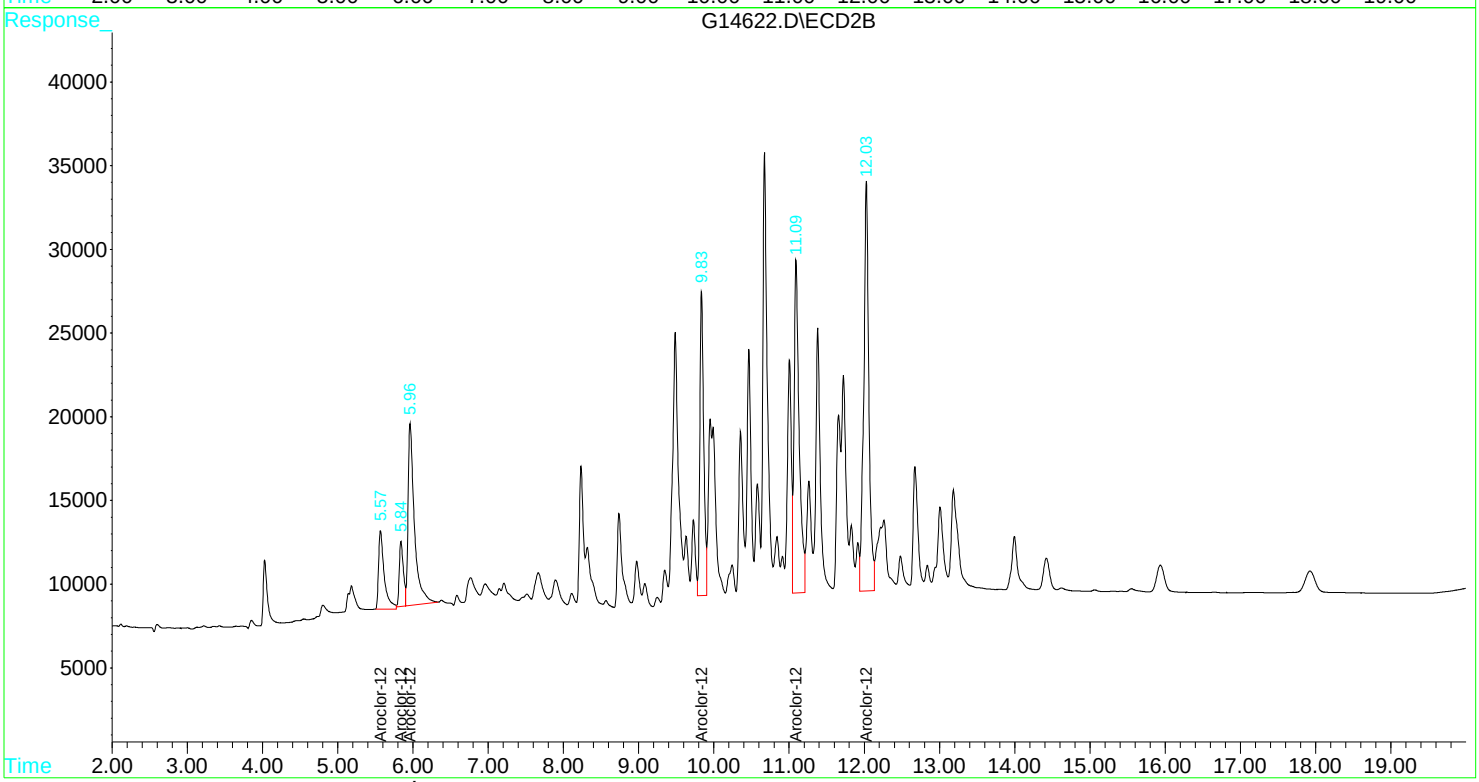
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14622.D\ECD1A.CH Vial: 23
Signal #2 : D:\G\DATA\DEC15\G1211\G14622.D\ECD2B.CH
Acq On : 11 Dec 2015 23:16 Operator: JAM
Sample : S5L1105-ARC1 Inst : GCECD_GH
Misc : A1221/1254 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:53 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Thu Dec 10 11:19:00 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14623.D\ECD1A.CH Vial: 24
Signal #2 : D:\G\DATA\DEC15\G1211\G14623.D\ECD2B.CH
Acq On : 11 Dec 2015 23:46 Operator: JAM
Sample : S5L1105-ARC2 Inst : GCECD_GH
Misc : A1232/1262 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:56 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 09:55:35 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
8)	L3 Aroclor-1232	5.32	5.97	42765	51328	23.379	30.055 #
9)	L3 Aroclor-1232 {2}	6.95	7.64	61639	64748	10.013	10.055
10)	L3 Aroclor-1232 {3}	7.14	7.89	26650	33065	9.543	11.112
23)	L8 Aroclor-1262	11.56	12.17	123482	137995	26.163	25.835
24)	L8 Aroclor-1262 {2}	11.98	12.70	83848	105205	4.836	5.613
25)	L8 Aroclor-1262 {3}	13.28	13.95	125071	169845	2.296	2.865

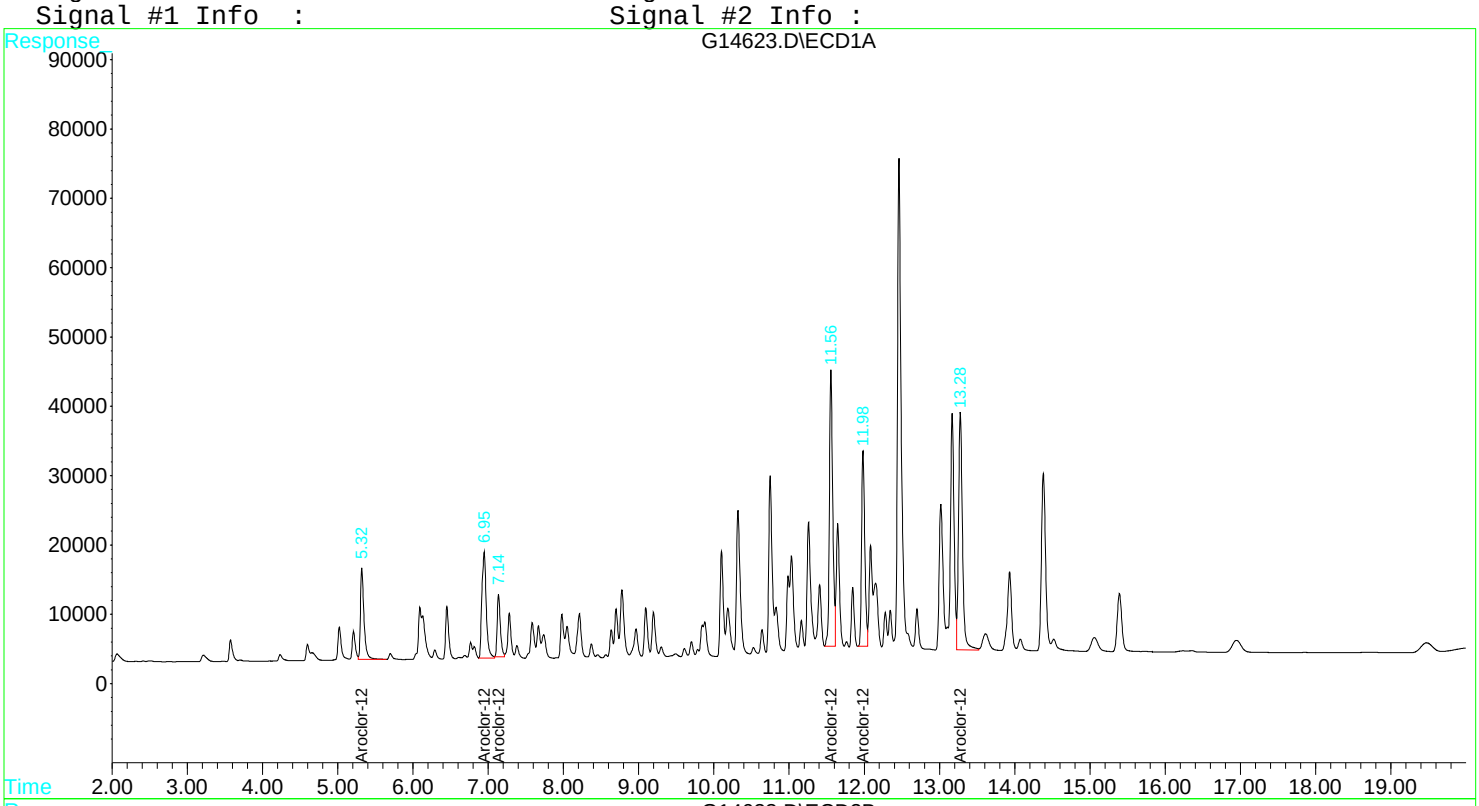
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

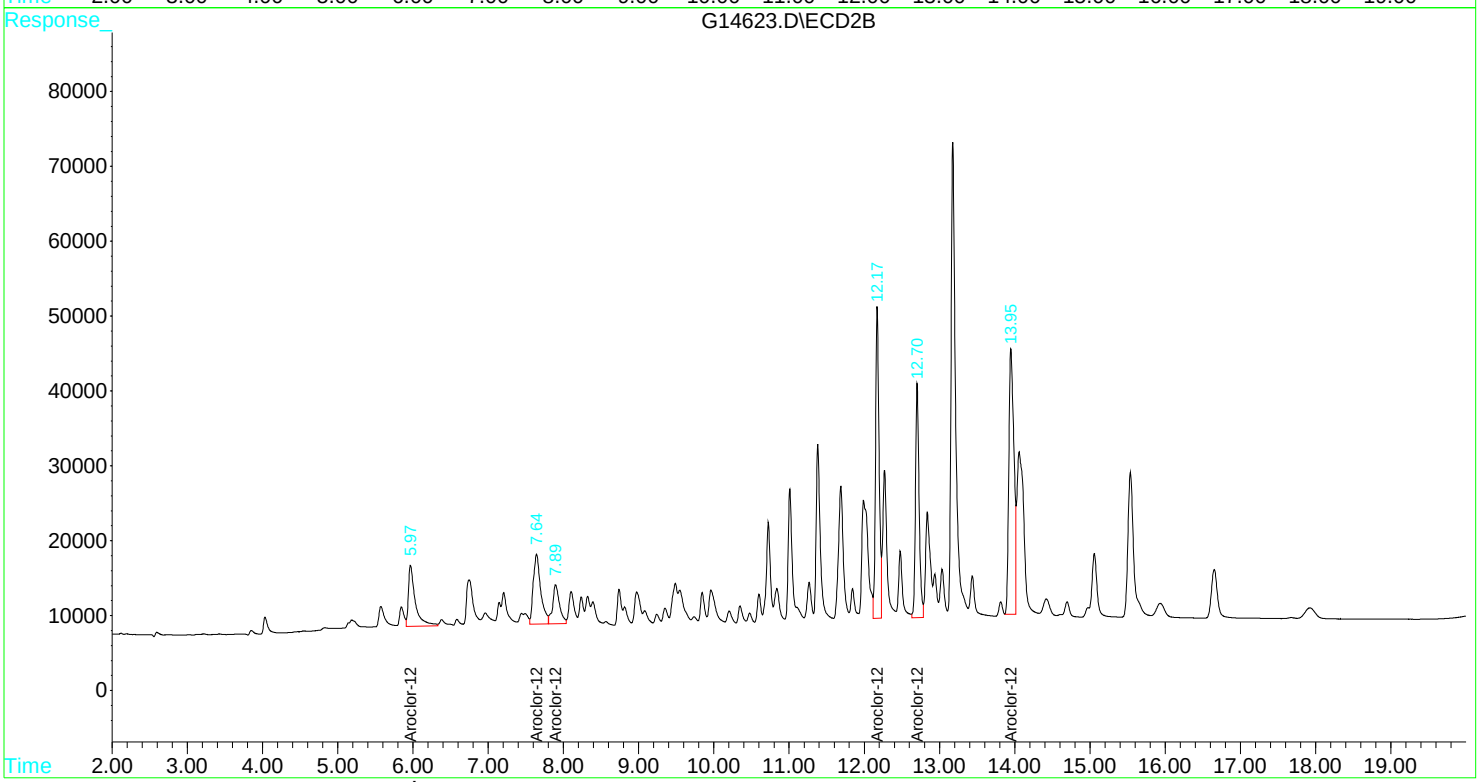
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14623.D\ECD1A.CH Vial: 24
Signal #2 : D:\G\DATA\DEC15\G1211\G14623.D\ECD2B.CH
Acq On : 11 Dec 2015 23:46 Operator: JAM
Sample : S5L1105-ARC2 Inst : GCECD_GH
Misc : A1232/1262 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 9:56 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 09:55:35 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14624.D\ECD1A.CH Vial: 25
Signal #2 : D:\G\DATA\DEC15\G1211\G14624.D\ECD2B.CH
Acq On : 12 Dec 2015 00:15 Operator: JAM
Sample : S5L1105-ARC3 Inst : GCECD_GH
Misc : A1242/1268 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 10:04 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 09:55:35 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	System Monitoring Compounds							
	Target Compounds							
11)	L4 Aroclor-1242	6.45	6.74	36754	56537	25.444	24.934	
12)	L4 Aroclor-1242 {2}	6.95	7.63	105389	109060	26.861	28.905	
13)	L4 Aroclor-1242 {3}	8.21	7.88	43201	55029	32.634	30.141	
26)	L9 Aroclor-1268	13.89	14.70	268139	258426	59.836	32.905	#
27)	L9 Aroclor-1268 {2}	14.38	15.54	115480	109704	6.906	5.677	
28)	L9 Aroclor-1268 {3}	15.39	16.64	779242	772317	121.819	100.093	

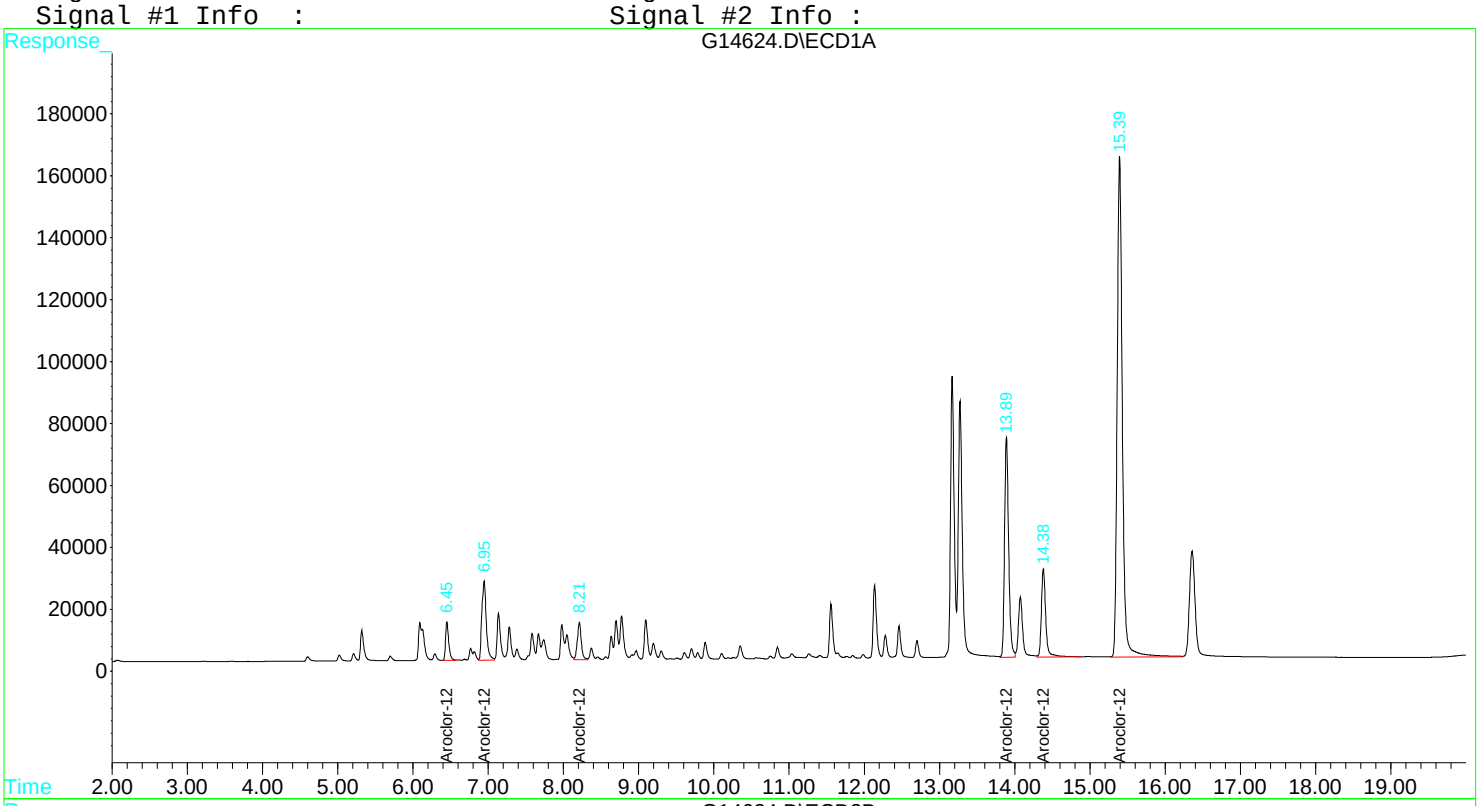
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

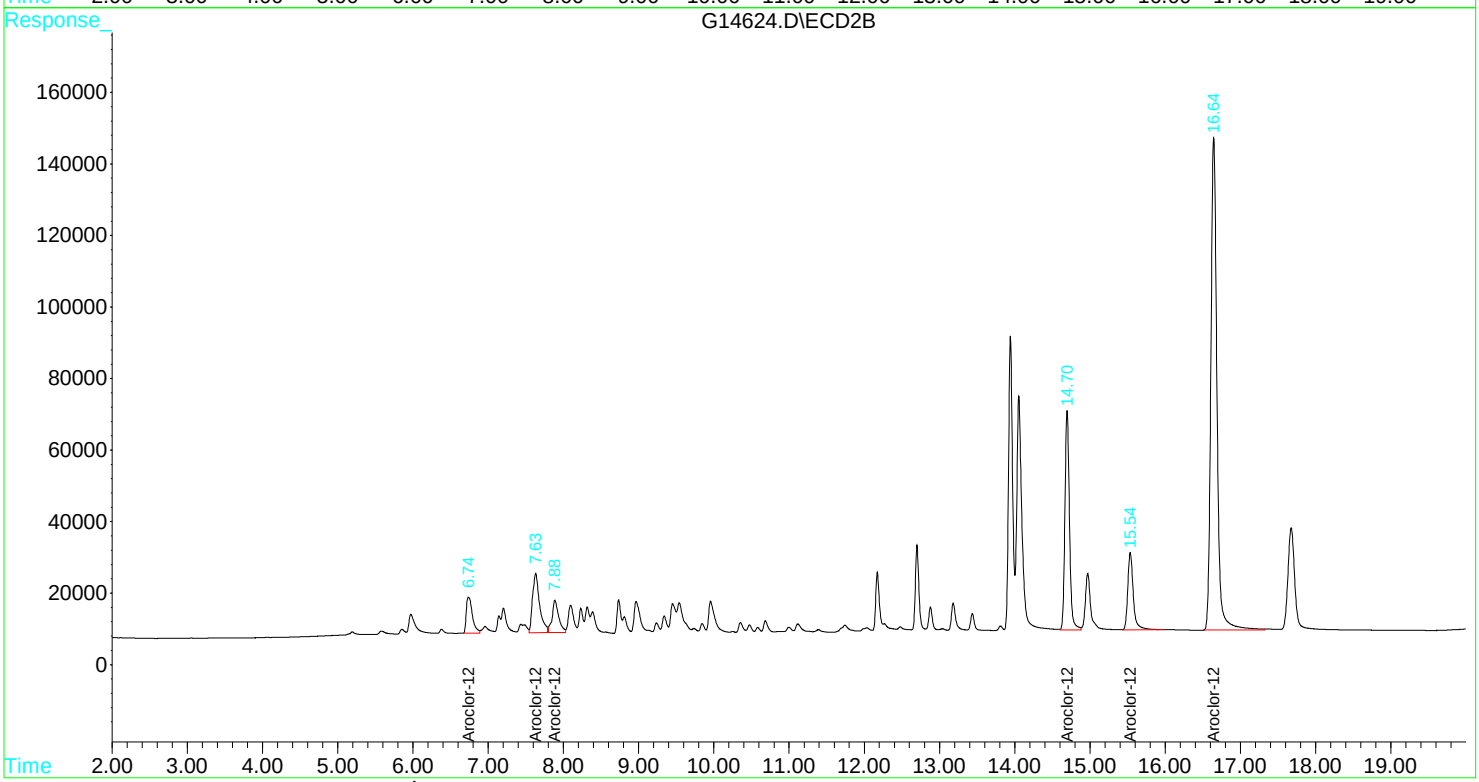
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14624.D\ECD1A.CH Vial: 25
Signal #2 : D:\G\DATA\DEC15\G1211\G14624.D\ECD2B.CH
Acq On : 12 Dec 2015 00:15 Operator: JAM
Sample : S5L1105-ARC3 Inst : GCECD_GH
Misc : A1242/1268 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 10:04 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 09:55:35 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14625.D\ECD1A.CH Vial: 26
Signal #2 : D:\G\DATA\DEC15\G1211\G14625.D\ECD2B.CH
Acq On : 12 Dec 2015 00:44 Operator: JAM
Sample : S5L1105-ARC4 Inst : GCECD_GH
Misc : A1248 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 10:05 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 09:55:35 2015
Response via : Initial Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	System Monitoring Compounds						
	Target Compounds						
14)	L5 Aroclor-1248	6.95	7.64	67168	62830	15.031	14.704
15)	L5 Aroclor-1248 {2}	7.14	7.90	26763	22913	14.734	12.368
16)	L5 Aroclor-1248 {3}	8.21	8.96	58184	62754	14.461	15.143

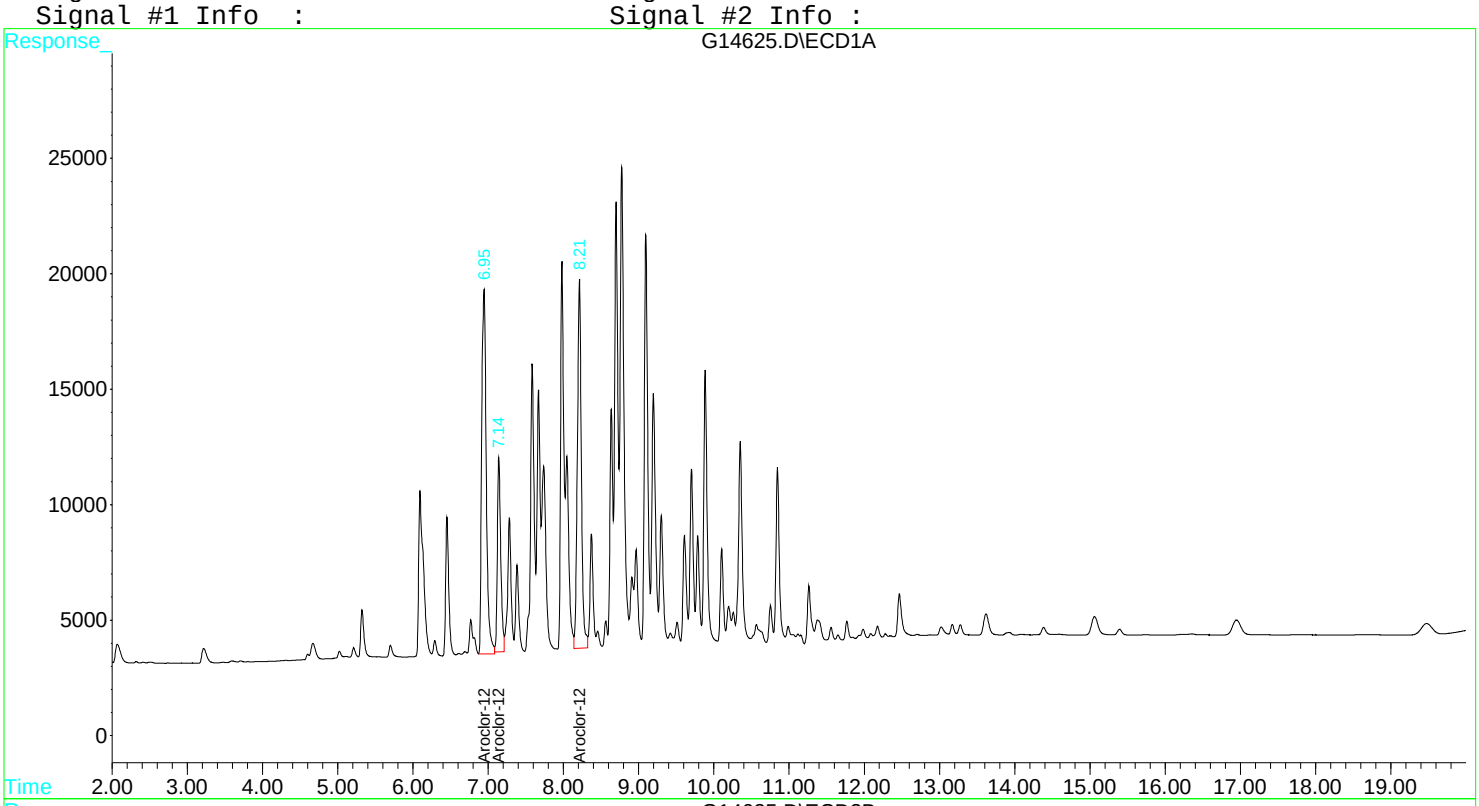
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

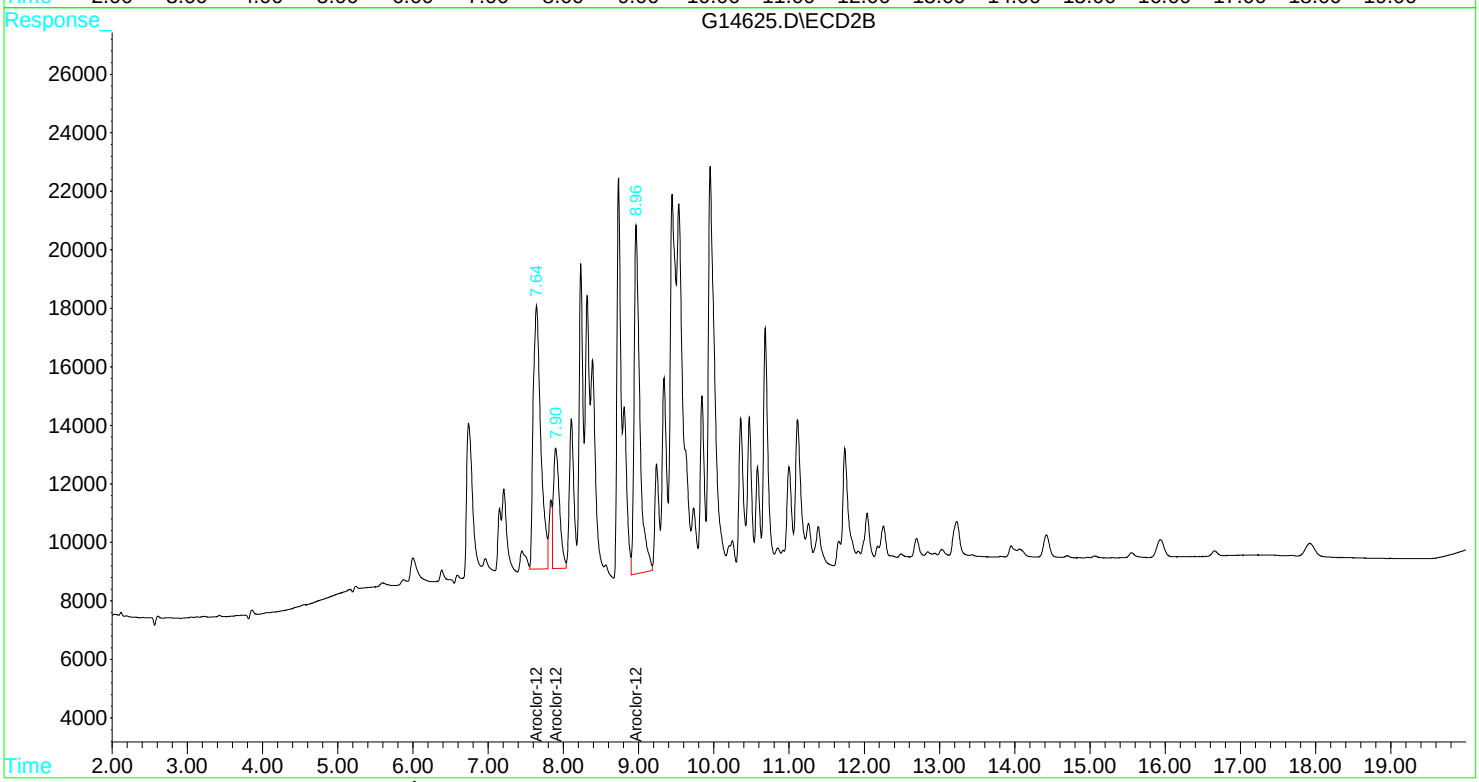
Quantitation Report (QT Reviewed)

Signal #1 : D:\G\DATA\DEC15\G1211\G14625.D\ECD1A.CH Vial: 26
Signal #2 : D:\G\DATA\DEC15\G1211\G14625.D\ECD2B.CH
Acq On : 12 Dec 2015 00:44 Operator: JAM
Sample : S5L1105-ARC4 Inst : GCECD_GH
Misc : A1248 1.0 PPM Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Dec 14 10:05 2015 Quant Results File: PCBG1211.RES

Quant Method : D:\G\METHODS\PCBG1211.M (RTE Integrator)
Title : ACCREDITED ANALYTICAL RES. TCL PCBG 8082
Last Update : Mon Dec 14 09:55:35 2015
Response via : Multiple Level Calibration
DataAcq Meth : PG81211.M

Volume Inj. :
Signal #1 Phase : Rtx-5 Signal #2 Phase: CLPestII
Signal #1 Info : Signal #2 Info :





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SEMIVOLATILES

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SEMIVOLATILES SAMPLE DATA

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ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:52	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B GCMS	File ID:	E9636.D
Prep Batch:	B5L2403	Sequence:	S5L2803	Analyzed:	12/28/15 15:48
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	46.7	234	U
108-95-2	Phenol	ND	46.7	234	U
111-44-4	bis(2-chloroethyl)ether	ND	46.7	234	U
95-57-8	2-Chlorophenol	ND	46.7	234	U
541-73-1	1,3-Dichlorobenzene	ND	46.7	234	U
106-46-7	1,4-Dichlorobenzene	ND	46.7	234	U
100-51-6	Benzyl alcohol	ND	46.7	234	U
95-50-1	1,2-Dichlorobenzene	ND	46.7	234	U
95-48-7	2-Methylphenol	ND	46.7	234	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	46.7	234	U
106-44-5	3 & 4-Methylphenol	ND	46.7	234	U
621-64-7	N-Nitroso-di-n-propylamine	ND	46.7	234	U
67-72-1	Hexachloroethane	ND	46.7	234	U
98-95-3	Nitrobenzene	ND	46.7	234	U
78-59-1	Isophorone	ND	46.7	234	U
88-75-5	2-Nitrophenol	ND	46.7	234	U
105-67-9	2,4-Dimethylphenol	ND	46.7	234	U
65-85-0	Benzoic acid	ND	116	467	U
111-91-1	bis(2-chloroethoxy)methane	ND	46.7	234	U
120-83-2	2,4-Dichlorophenol	ND	46.7	234	U
120-82-1	1,2,4-Trichlorobenzene	ND	46.7	234	U
91-20-3	Naphthalene	ND	46.7	234	U
106-47-8	4-Chloroaniline	ND	46.7	234	U
87-68-3	Hexachlorobutadiene	ND	46.7	234	U
59-50-7	4-Chloro-3-methylphenol	ND	46.7	234	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:52	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B GCMS	File ID:	E9636.D
Prep Batch:	B5L2403	Sequence:	S5L2803	Analyzed:	12/28/15 15:48
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	ND	46.7	234	U
77-47-4	Hexachlorocyclopentadiene	ND	46.7	234	U
88-06-2	2,4,6-Trichlorophenol	ND	46.7	234	U
95-95-4	2,4,5-Trichlorophenol	ND	46.7	234	U
91-58-7	2-Chloronaphthalene	ND	46.7	234	U
88-74-4	2-Nitroaniline	ND	46.7	234	U
131-11-3	Dimethylphthalate	ND	46.7	234	U
208-96-8	Acenaphthylene	ND	46.7	234	U
99-09-2	3-Nitroaniline	ND	46.7	234	U
83-32-9	Acenaphthene	ND	46.7	234	U
51-28-5	2,4-Dinitrophenol	ND	46.7	467	U
100-02-7	4-Nitrophenol	ND	46.7	234	U
132-64-9	Dibenzofuran	ND	46.7	234	U
606-20-2	2,6-Dinitrotoluene	ND	46.7	234	U
121-14-2	2,4-Dinitrotoluene	ND	46.7	234	U
84-66-2	Diethyl phthalate	ND	46.7	234	U
7005-72-3	4-Chlorophenyl-phenylether	ND	46.7	234	U
86-73-7	Fluorene	ND	46.7	234	U
100-01-6	4-Nitroaniline	ND	46.7	234	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	46.7	234	U
86-30-6	N-Nitrosodiphenylamine	ND	46.7	234	U
101-55-3	4-Bromophenyl-phenylether	ND	46.7	234	U
118-74-1	Hexachlorobenzene	ND	46.7	234	U
87-86-5	Pentachlorophenol	ND	46.7	234	U
85-01-8	Phenanthrene	462	46.7	234	

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/24/15 07:52	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 3550B GCMS	File ID:	E9636.D
Prep Batch:	B5L2403	Sequence:	S5L2803	Analyzed:	12/28/15 15:48
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
120-12-7	Anthracene	81.8	46.7	234	J
84-74-2	Di-n-butyl phthalate	ND	46.7	234	U
206-44-0	Fluoranthene	581	46.7	234	
129-00-0	Pyrene	531	46.7	234	
85-68-7	Butylbenzylphthalate	ND	46.7	234	U
91-94-1	3,3'-Dichlorobenzidine	ND	116	234	U
56-55-3	Benzo[a]anthracene	238	46.7	234	
117-81-7	bis(2-ethylhexyl)phthalate	ND	46.7	234	U
218-01-9	Chrysene	285	46.7	234	
117-84-0	Di-n-octyl phthalate	ND	46.7	234	U
205-99-2	Benzo[b]fluoranthene	223	46.7	234	J
207-08-9	Benzo[k]fluoranthene	200	46.7	234	J
50-32-8	Benzo[a]pyrene	219	46.7	234	J
193-39-5	Indeno(1,2,3-cd)pyrene	113	46.7	234	J
53-70-3	Dibenzo(a,h)anthracene	47.7	46.7	234	J
191-24-2	Benzo[ghi]perylene	115	46.7	234	J

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	57%	30-130
Phenol-d5	66%	30-130
Nitrobenzene-d5	64%	30-130
2-Fluorobiphenyl	62%	30-130
2,4,6-Tribromophenol	85%	30-130
Terphenyl-d14	83%	30-130

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* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1228\E9636.D Vial: 2
Acq On : 28 Dec 2015 15:48 Operator: JMM
Sample : 1502323-01 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 9:07 2015 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 14 12:20:50 2015
Response via : Initial Calibration
DataAcq Meth : SVE81208

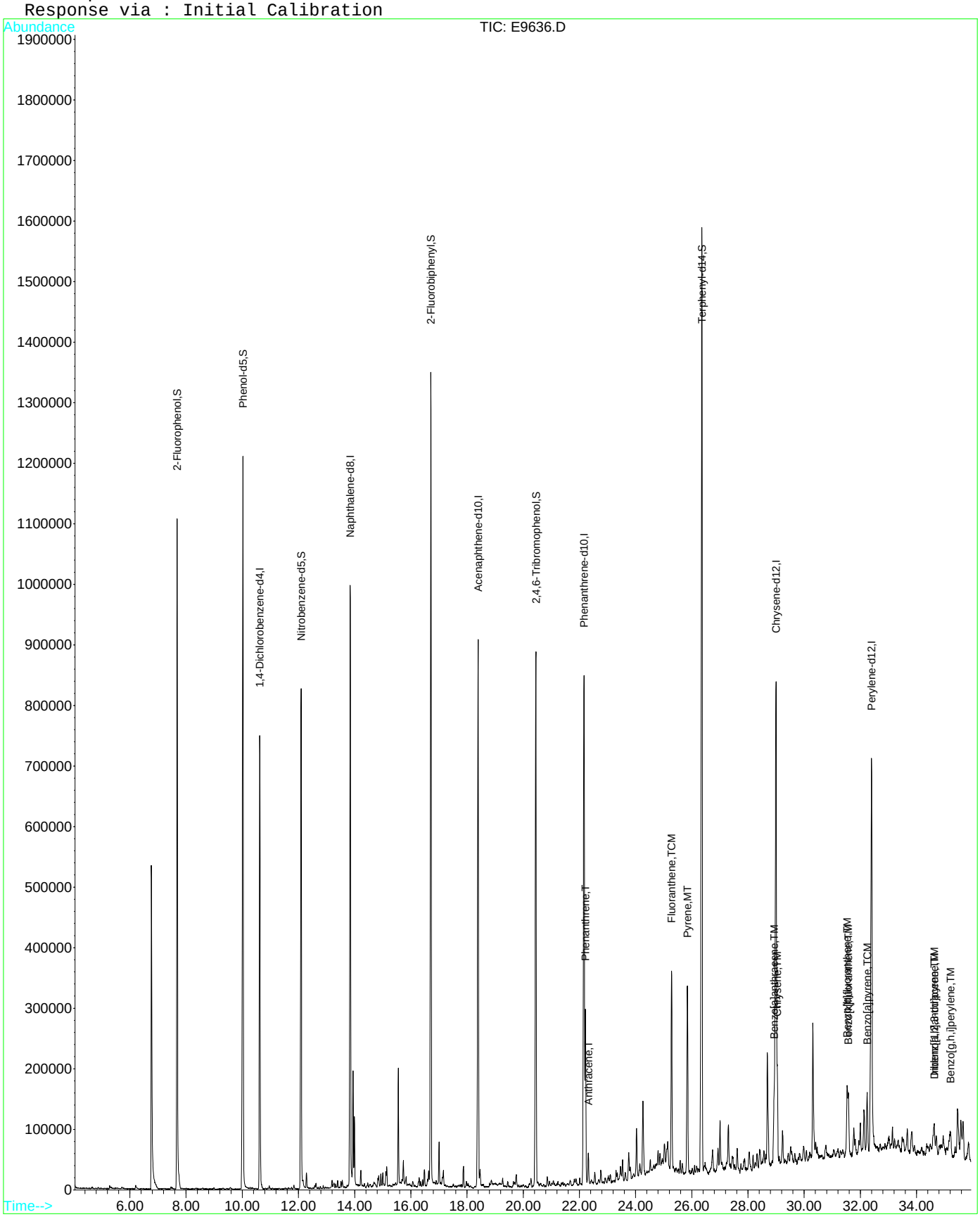
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.62	152	233809	40.00	ul/l	-0.17
21) Naphthalene-d8	13.84	136	941338	40.00	ul/l	-0.18
37) Acenaphthene-d10	18.40	164	440251	40.00	ul/l	-0.20
61) Phenanthrene-d10	22.17	188	779829	40.00	ul/l	-0.20
75) Chrysene-d12	29.00	240	800841	40.00	ul/l	-0.21
84) Perylene-d12	32.40	264	693120	40.00	ul/l	-0.22
System Monitoring Compounds						
4) 2-Fluorophenol	7.68	112	604883	68.31	ul/l	-0.11
Spiked Amount 120.000	Range 30 - 130		Recovery = 56.93%			
7) Phenol-d5	10.03	99	1039034	79.55	ul/l	-0.12
Spiked Amount 120.000	Range 30 - 130		Recovery = 66.29%			
22) Nitrobenzene-d5	12.10	82	605134	63.83	ul/l	-0.17
Spiked Amount 100.000	Range 30 - 130		Recovery = 63.83%			
42) 2-Fluorobiphenyl	16.71	172	896288	61.76	ul/l	-0.19
Spiked Amount 100.000	Range 30 - 130		Recovery = 61.76%			
60) 2,4,6-Tribromophenol	20.45	330	275133	102.12	ul/l	-0.20
Spiked Amount 120.000	Range 30 - 130		Recovery = 85.10%			
78) Terphenyl-d14	26.36	244	1277909	83.43	ul/l	-0.18
Spiked Amount 100.000	Range 30 - 130		Recovery = 83.43%			
Target Compounds						Qvalue
71) Phenanthrene	22.21	178	225757	9.89	ul/l	98
72) Anthracene	22.32	178	40065	1.75	ul/l	92
74) Fluoranthene	25.28	202	300979	12.43	ul/l	97
77) Pyrene	25.84	202	256136	11.36	ul/l	97
81) Benzo[a]anthracene	28.93	228	117498	5.09	ul/l	92
83) Chrysene	29.04	228	123790	6.09	ul/l	96
86) Benzo[b]fluoranthene	31.53	252	99216	4.78	ul/l	89
87) Benzo[k]fluoranthene	31.57	252	83410m	4.28	ul/l	
88) Benzo[a]pyrene	32.24	252	92601	4.68	ul/l	94
89) Indeno[1,2,3-cd]pyrene	34.63	276	52347	2.42	ul/l	70
90) Dibenz[a,h]anthracene	34.64	278	18801m	1.02	ul/l	
91) Benzo[g,h,i]perylene	35.21	276	42774	2.46	ul/l	88

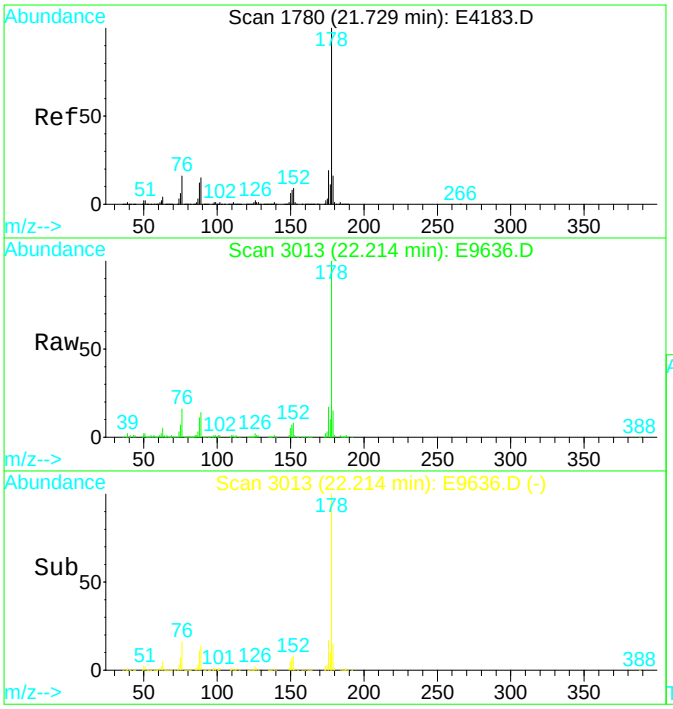
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1228\E9636.D Vial: 2
Acq On : 28 Dec 2015 15:48 Operator: JMM
Sample : 1502323-01 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 9:07 2015 Quant Results File: SVE81208.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration

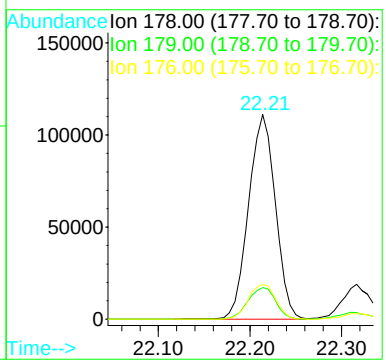


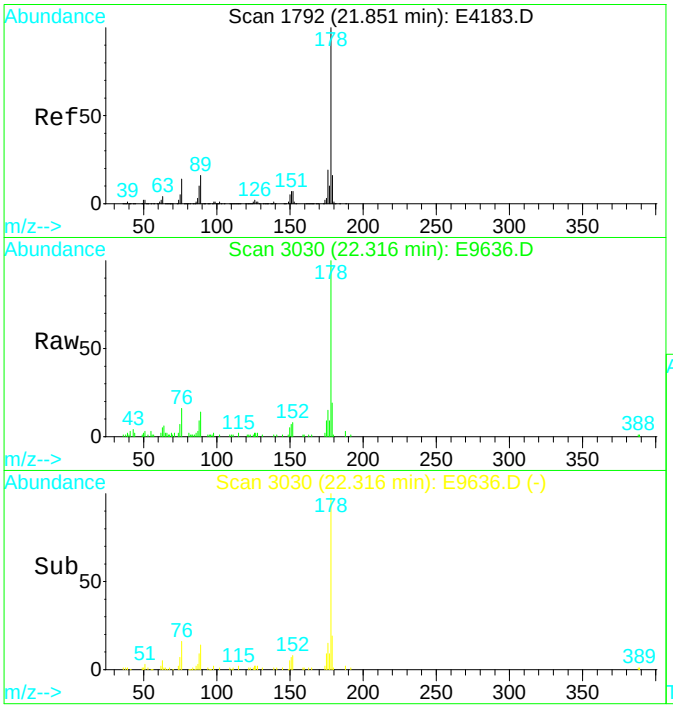


#71
Phenanthrene
Concen: 9.89 ul/l
RT: 22.21 min Scan# 3013
Delta R.T. -0.21 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:178 Resp: 225757

Ion	Ratio	Lower	Upper
178	100		
179	16.0	8.2	24.4
176	17.5	9.7	28.9

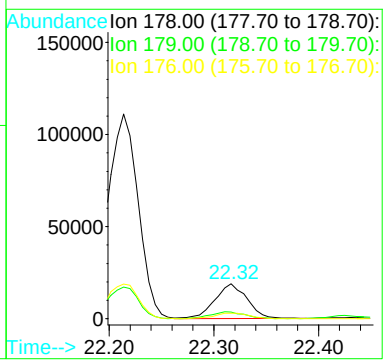


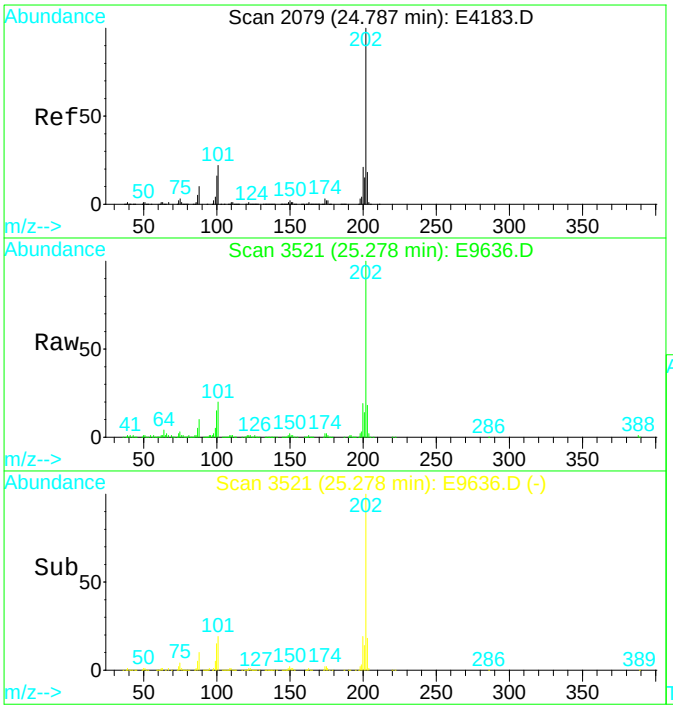


#72
Anthracene
Concen: 1.75 ul/l
RT: 22.32 min Scan# 3030
Delta R.T. -0.23 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:178 Resp: 40065

Ion	Ratio	Lower	Upper
178	100		
179	21.8	8.2	24.6
176	17.3	9.5	28.5

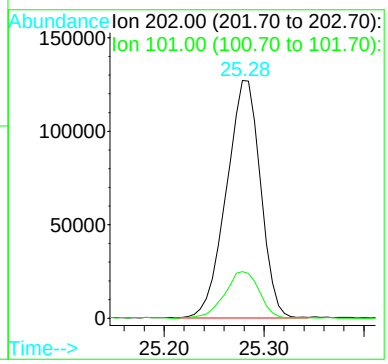


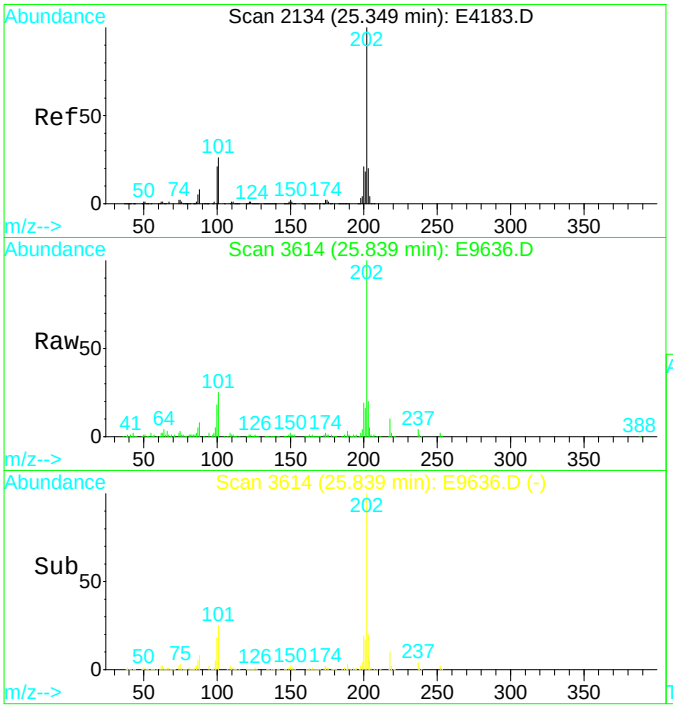


#74
Fluoranthene
Concen: 12.43 ul/l
RT: 25.28 min Scan# 3521
Delta R.T. -0.22 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:202 Resp: 300979

Ion	Ratio	Lower	Upper
202	100		
101	20.1	10.9	32.6

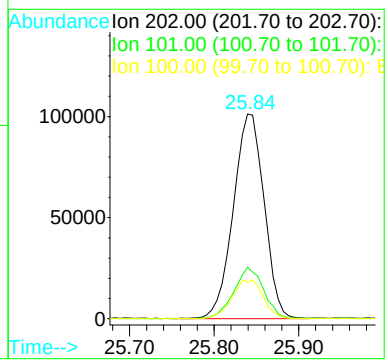


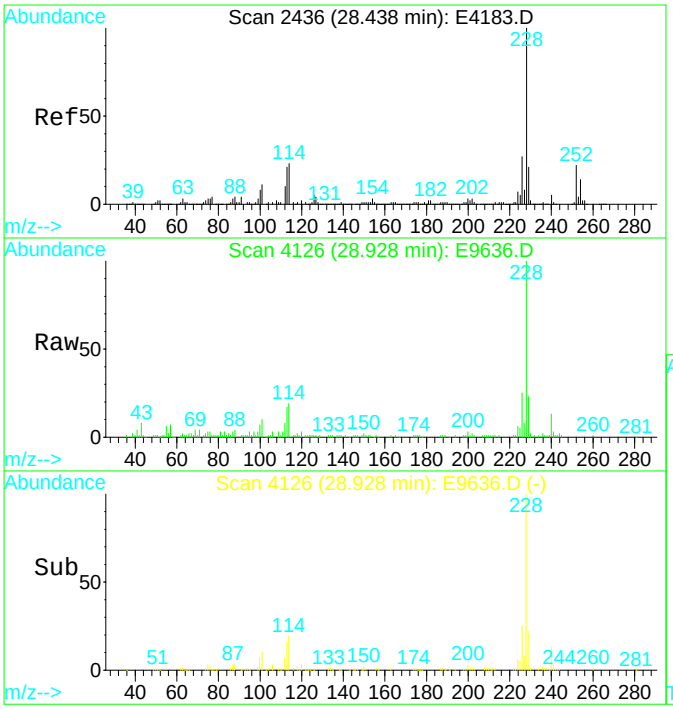


#77
Pyrene
Concen: 11.36 ul/l
RT: 25.84 min Scan# 3614
Delta R.T. -0.23 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:202 Resp: 256136

Ion	Ratio	Lower	Upper
202	100		
101	24.4	13.0	38.9
100	19.2	10.4	31.4

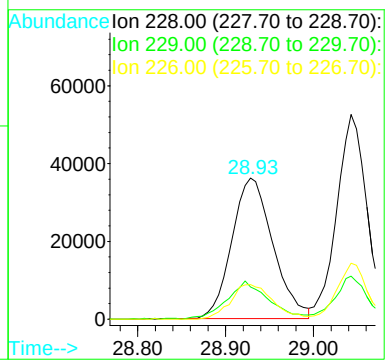


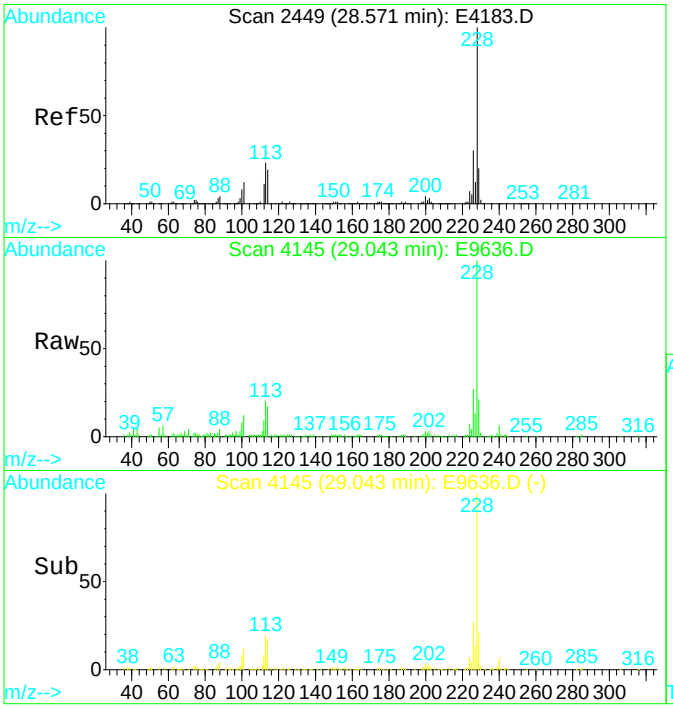


#81
Benzo[a]anthracene
Concen: 5.09 ul/l
RT: 28.93 min Scan# 4126
Delta R.T. -0.23 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:228 Resp: 117498

Ion	Ratio	Lower	Upper
228	100		
229	27.4	10.4	31.1
226	25.5	13.7	41.0

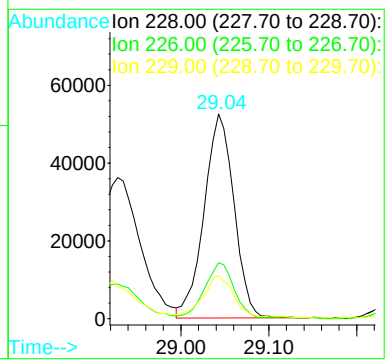


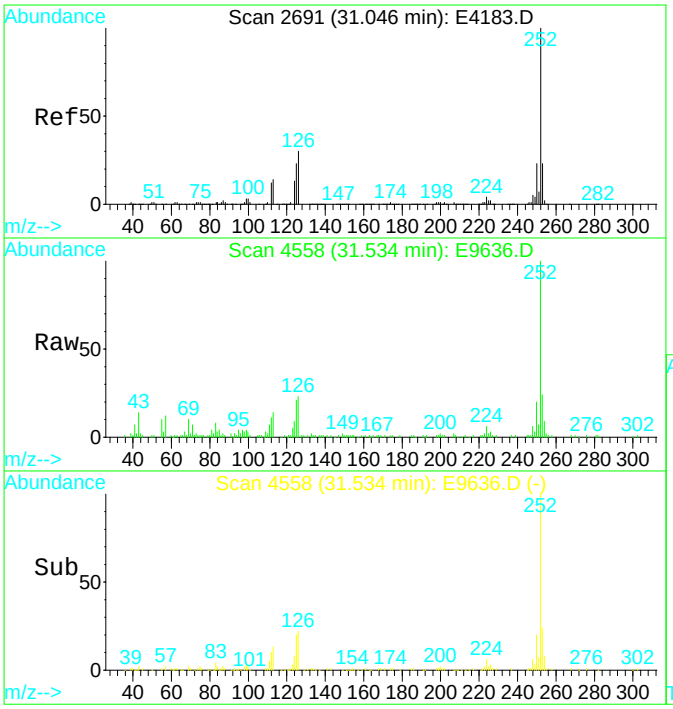


#83
Chrysene
Concen: 6.09 ul/l
RT: 29.04 min Scan# 4145
Delta R.T. -0.24 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:228 Resp: 123790

Ion	Ratio	Lower	Upper
228	100		
226	26.3	15.0	45.1
229	20.2	10.2	30.6

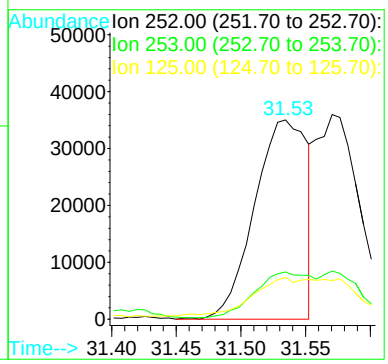


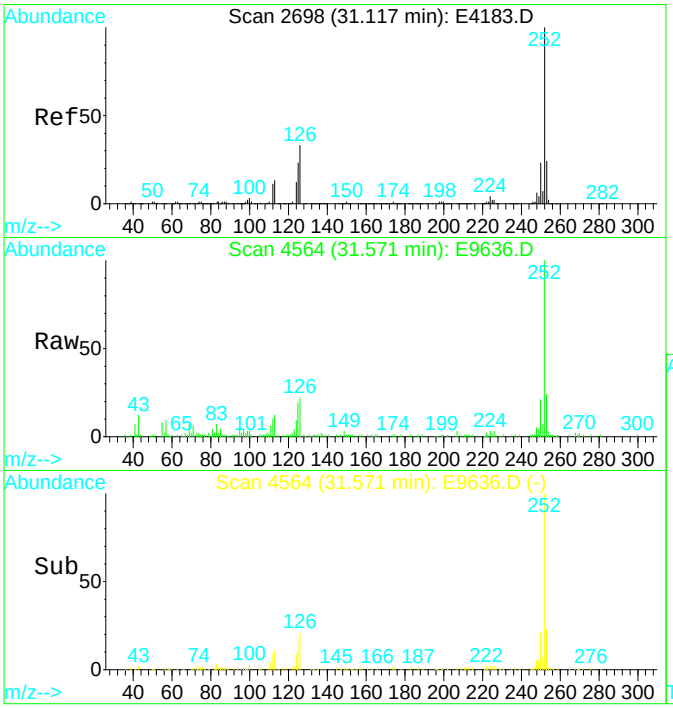


#86
Benzo[b]fluoranthene
Concen: 4.78 ul/l
RT: 31.53 min Scan# 4558
Delta R.T. -0.24 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:252 Resp: 99216

Ion	Ratio	Lower	Upper
252	100		
253	25.3	11.5	34.4
125	15.0	11.5	34.4

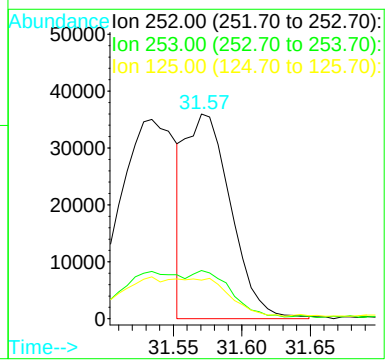


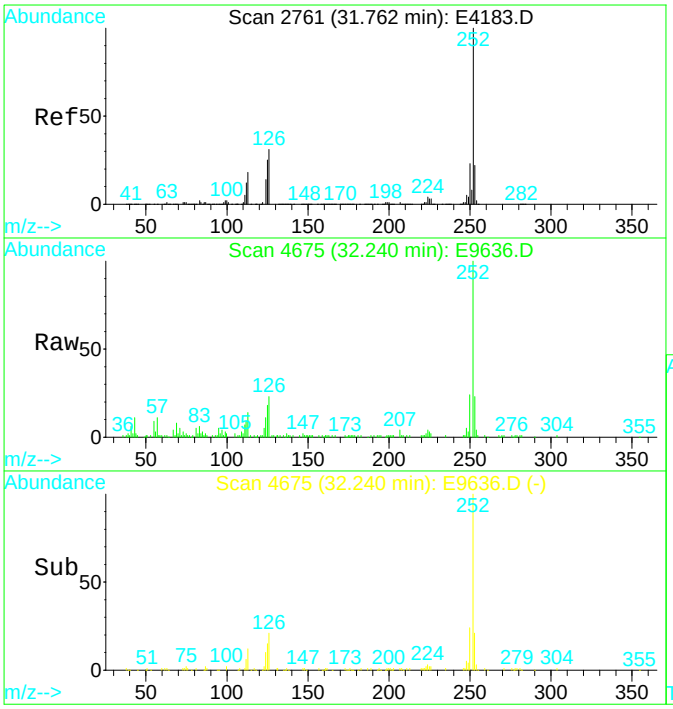


#87
Benzo[k]fluoranthene
Concen: 4.28 ul/l m
RT: 31.57 min Scan# 4564
Delta R.T. -0.27 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:252 Resp: 83410

Ion	Ratio	Lower	Upper
252	100		
253	30.1	11.8	35.4
125	17.8	11.7	35.0

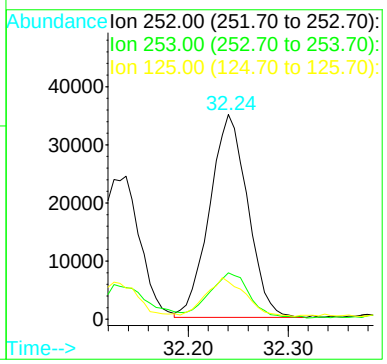


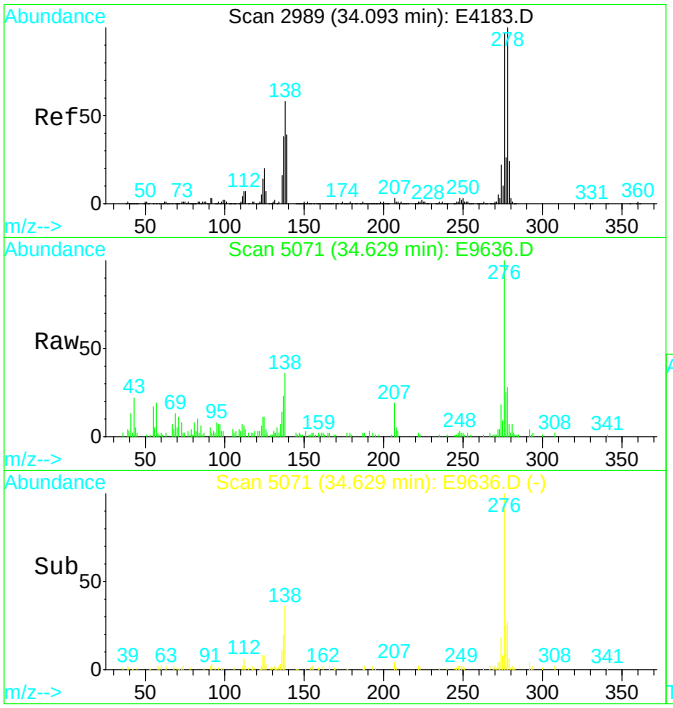


#88
Benzo[a]pyrene
Concen: 4.68 ul/l
RT: 32.24 min Scan# 4675
Delta R.T. -0.26 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:252 Resp: 92601

Ion	Ratio	Lower	Upper
252	100		
253	23.0	11.3	33.8
125	19.4	12.4	37.0

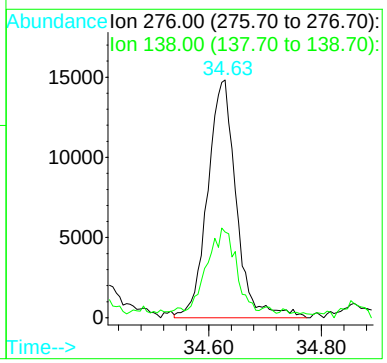


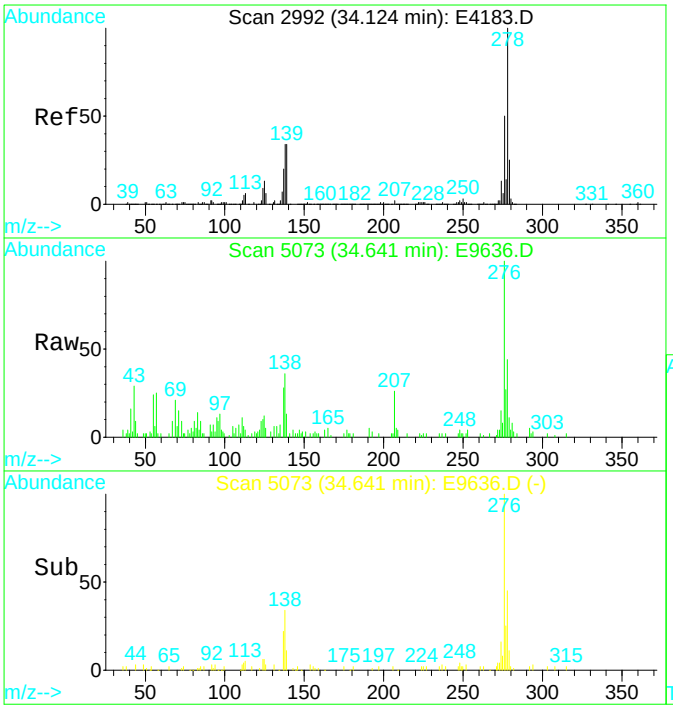


#89
Indeno[1,2,3-cd]pyrene
Concen: 2.42 ul/l
RT: 34.63 min Scan# 5071
Delta R.T. -0.33 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:276 Resp: 52347

Ion	Ratio	Lower	Upper
276	100		
138	36.9	29.9	89.7

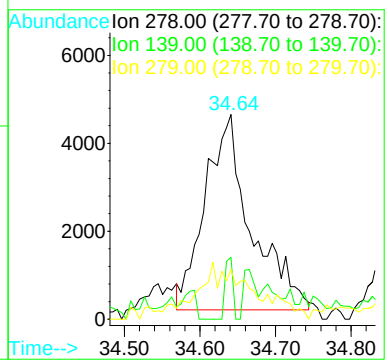


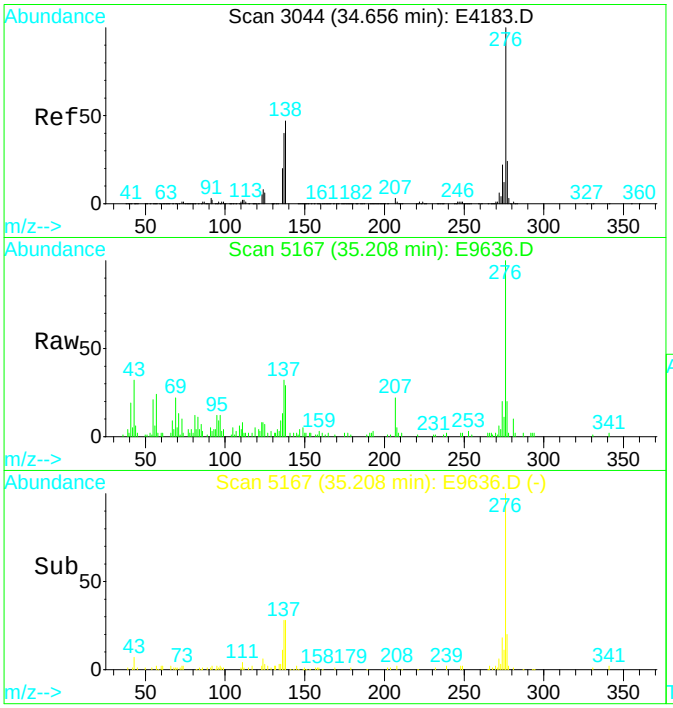


#90
Dibenz[a,h]anthracene
Concen: 1.02 ul/l m
RT: 34.64 min Scan# 5073
Delta R.T. -0.34 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:278 Resp: 18801

Ion	Ratio	Lower	Upper
278	100		
139	10.6	17.0	51.0#
279	7.5	12.7	38.0#

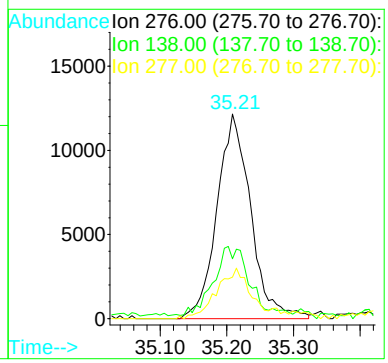




#91
Benzo[g,h,i]perylene
Concen: 2.46 ul/l
RT: 35.21 min Scan# 5167
Delta R.T. -0.37 min
Lab File: E9636.D
Acq: 28 Dec 2015 15:48

Tgt Ion:276 Resp: 42774

Ion	Ratio	Lower	Upper
276	100		
138	35.2	23.4	70.3
277	24.3	12.2	36.4



Accredited Analytical Resources, LLC.

SEMIVOLATILES QC DATA

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ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2403-BLK1	File ID:	E9652.D
Batch:	B5L2403	Prepared:	12/24/15 07:52	Analyzed:	12/29/15 10:58
Column:	1	Preparation:	EPA 3550B GCMS	Dilution:	
		Sequence:	S5L2909	Instrument:	GC/MS E

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	33.3	167	U
108-95-2	Phenol	ND	33.3	167	U
111-44-4	bis(2-chloroethyl)ether	ND	33.3	167	U
95-57-8	2-Chlorophenol	ND	33.3	167	U
541-73-1	1,3-Dichlorobenzene	ND	33.3	167	U
106-46-7	1,4-Dichlorobenzene	ND	33.3	167	U
100-51-6	Benzyl alcohol	ND	33.3	167	U
95-50-1	1,2-Dichlorobenzene	ND	33.3	167	U
95-48-7	2-Methylphenol	ND	33.3	167	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	33.3	167	U
106-44-5	3 & 4-Methylphenol	ND	33.3	167	U
621-64-7	N-Nitroso-di-n-propylamine	ND	33.3	167	U
67-72-1	Hexachloroethane	ND	33.3	167	U
98-95-3	Nitrobenzene	ND	33.3	167	U
78-59-1	Isophorone	ND	33.3	167	U
88-75-5	2-Nitrophenol	ND	33.3	167	U
105-67-9	2,4-Dimethylphenol	ND	33.3	167	U
65-85-0	Benzoic acid	ND	83.0	333	U
111-91-1	bis(2-chloroethoxy)methane	ND	33.3	167	U
120-83-2	2,4-Dichlorophenol	ND	33.3	167	U
120-82-1	1,2,4-Trichlorobenzene	ND	33.3	167	U
91-20-3	Naphthalene	ND	33.3	167	U
106-47-8	4-Chloroaniline	ND	33.3	167	U
87-68-3	Hexachlorobutadiene	ND	33.3	167	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

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Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2403-BLK1	File ID:	E9652.D
Batch:	B5L2403	Prepared:	12/24/15 07:52	Analyzed:	12/29/15 10:58
Column:	1	Preparation:	EPA 3550B GCMS	Dilution:	
		Sequence:	S5L2909	Instrument:	GC/MS E

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
59-50-7	4-Chloro-3-methylphenol	ND	33.3	167	U
91-57-6	2-Methylnaphthylene	ND	33.3	167	U
77-47-4	Hexachlorocyclopentadiene	ND	33.3	167	U
88-06-2	2,4,6-Trichlorophenol	ND	33.3	167	U
95-95-4	2,4,5-Trichlorophenol	ND	33.3	167	U
91-58-7	2-Chloronaphthalene	ND	33.3	167	U
88-74-4	2-Nitroaniline	ND	33.3	167	U
131-11-3	Dimethylphthalate	ND	33.3	167	U
208-96-8	Acenaphthylene	ND	33.3	167	U
99-09-2	3-Nitroaniline	ND	33.3	167	U
83-32-9	Acenaphthene	ND	33.3	167	U
51-28-5	2,4-Dinitrophenol	ND	33.3	333	U
100-02-7	4-Nitrophenol	ND	33.3	167	U
132-64-9	Dibenzofuran	ND	33.3	167	U
606-20-2	2,6-Dinitrotoluene	ND	33.3	167	U
121-14-2	2,4-Dinitrotoluene	ND	33.3	167	U
84-66-2	Diethyl phthalate	ND	33.3	167	U
7005-72-3	4-Chlorophenyl-phenylether	ND	33.3	167	U
86-73-7	Fluorene	ND	33.3	167	U
100-01-6	4-Nitroaniline	ND	33.3	167	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	33.3	167	U
86-30-6	N-Nitrosodiphenylamine	ND	33.3	167	U
101-55-3	4-Bromophenyl-phenylether	ND	33.3	167	U
118-74-1	Hexachlorobenzene	ND	33.3	167	U

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ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2403-BLK1	File ID:	E9652.D
Batch:	B5L2403	Prepared:	12/24/15 07:52	Analyzed:	12/29/15 10:58
Column:	1	Preparation:	EPA 3550B GCMS	Dilution:	
		Sequence:	S5L2909	Instrument:	GC/MS E

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
87-86-5	Pentachlorophenol	ND	33.3	167	U
85-01-8	Phenanthrene	ND	33.3	167	U
120-12-7	Anthracene	ND	33.3	167	U
84-74-2	Di-n-butyl phthalate	ND	33.3	167	U
206-44-0	Fluoranthene	ND	33.3	167	U
129-00-0	Pyrene	ND	33.3	167	U
85-68-7	Butylbenzylphthalate	ND	33.3	167	U
91-94-1	3,3'-Dichlorobenzidine	ND	83.0	167	U
56-55-3	Benzo[a]anthracene	ND	33.3	167	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	33.3	167	U
218-01-9	Chrysene	ND	33.3	167	U
117-84-0	Di-n-octyl phthalate	ND	33.3	167	U
205-99-2	Benzo[b]fluoranthene	ND	33.3	167	U
207-08-9	Benzo[k]fluoranthene	ND	33.3	167	U
50-32-8	Benzo[a]pyrene	ND	33.3	167	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33.3	167	U
53-70-3	Dibenzo(a,h)anthracene	ND	33.3	167	U
191-24-2	Benzo[ghi]perylene	ND	33.3	167	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	77%	30-130
Phenol-d5	83%	30-130
Nitrobenzene-d5	90%	30-130
2-Fluorobiphenyl	91%	30-130
2,4,6-Tribromophenol	92%	30-130
Terphenyl-d14	115%	30-130

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* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT/LSC Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9652.D Vial: 1
Acq On : 29 Dec 2015 10:58 Operator: JMM
Sample : B5L2403-BLK1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 14:47 2015 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 14 12:20:50 2015
Response via : Initial Calibration
DataAcq Meth : SVE81208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.66	152	285131	40.00	ul/l	-0.12
21) Naphthalene-d8	13.88	136	1115461	40.00	ul/l	-0.15
37) Acenaphthene-d10	18.43	164	463810	40.00	ul/l	-0.16
61) Phenanthrene-d10	22.20	188	790227	40.00	ul/l	-0.16
75) Chrysene-d12	29.03	240	721280	40.00	ul/l	-0.18
84) Perylene-d12	32.44	264	622513	40.00	ul/l	-0.18
System Monitoring Compounds						
4) 2-Fluorophenol	7.74	112	995709	92.21	ul/l	-0.05
Spiked Amount 120.000	Range 30 - 130		Recovery = 76.84%			
7) Phenol-d5	10.07	99	1579060	99.14	ul/l	-0.08
Spiked Amount 120.000	Range 30 - 130		Recovery = 82.62%			
22) Nitrobenzene-d5	12.14	82	1007862	89.72	ul/l	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 89.72%			
42) 2-Fluorobiphenyl	16.76	172	1384892	90.59	ul/l	-0.14
Spiked Amount 100.000	Range 30 - 130		Recovery = 90.59%			
60) 2,4,6-Tribromophenol	20.49	330	314540	110.81	ul/l	-0.16
Spiked Amount 120.000	Range 30 - 130		Recovery = 92.34%			
78) Terphenyl-d14	26.41	244	1592202	115.41	ul/l	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 115.41%			

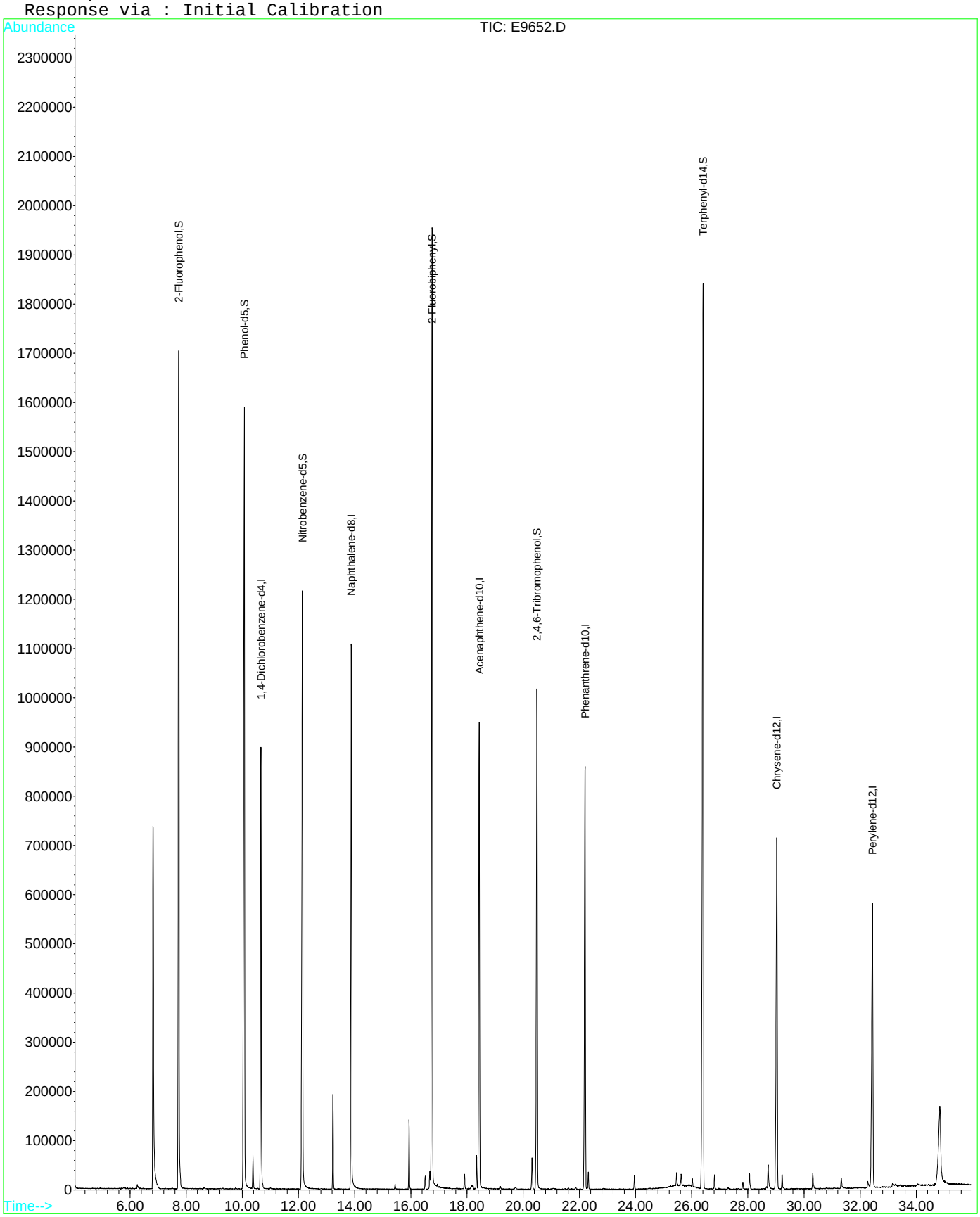
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1229\E9652.D Vial: 1
Acq On : 29 Dec 2015 10:58 Operator: JMM
Sample : B5L2403-BLK1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 29 14:47 2015 Quant Results File: SVE81208.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 14 12:20:50 2015
Response via : Initial Calibration



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SEMIVOLATILES QC SUMMARY

Accredited Analytical Resources, LLC.

SYSTEM MONITORING COMPOUND SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix: Solid
Instrument: GC/MS E

Lab Sample ID:	2FP (30% - 130%)	FBP (30% - 130%)	NBZ (30% - 130%)	PHL (30% - 130%)	TBP (30% - 130%)	TPH (30% - 130%)
1502323-01	57	62	64	66	85	83
B5L2403-BLK1	77	91	90	83	92	115
B5L2403-BS1	82	90	92	90	114	112
B5L2403-MS1	65	77	75	73	112	112
B5L2403-MSD1	73	80	79	82	115	106

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5L2403	Prep Method:	EPA 3550B GCMS
Percent Solids:	93.00	Laboratory ID:	B5L2403-MS1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.		QC LIMITS REC.
Pyridine	1790	ND	873	49		20 - 160
N-Nitrosodimethylamine	1790	ND	930	52		20 - 160
Aniline	1790	ND	877	49		20 - 160
Phenol	1790	ND	1140	64		20 - 160
bis(2-chloroethyl)ether	1790	ND	1070	60	*	70 - 130
2-Chlorophenol	1790	ND	1140	63	*	70 - 130
1,3-Dichlorobenzene	1790	ND	1130	63	*	70 - 130
1,4-Dichlorobenzene	1790	ND	1100	62	*	70 - 130
Benzyl alcohol	1790	ND	1100	62		20 - 160
1,2-Dichlorobenzene	1790	ND	1130	63	*	70 - 130
2-Methylphenol	1790	ND	1160	65		20 - 160
bis(2-chloroisopropyl)ether	1790	ND	1080	60	*	70 - 130
3 & 4-Methylphenol	1790	ND	1170	65		20 - 160
N-Nitroso-di-n-propylamine	1790	ND	1100	61	*	70 - 130
Hexachloroethane	1790	ND	1090	61		20 - 160
Nitrobenzene	1790	ND	1210	68	*	70 - 130
Isophorone	1790	ND	1180	66	*	70 - 130
2-Nitrophenol	1790	ND	1220	68	*	70 - 130
2,4-Dimethylphenol	1790	ND	1290	72		70 - 130
bis(2-chloroethoxy)methane	1790	ND	1200	67	*	70 - 130
2,4-Dichlorophenol	1790	ND	1310	73		70 - 130
1,2,4-Trichlorobenzene	1790	ND	1270	71		70 - 130
Naphthalene	1790	ND	1220	68	*	70 - 130
4-Chloroaniline	1790	ND	463	26		20 - 160
Hexachlorobutadiene	1790	ND	1220	68	*	70 - 130
4-Chloro-3-methylphenol	1790	ND	1490	83		70 - 130
2-Methylnaphthylene	1790	ND	1260	70		70 - 130

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5L2403	Prep Method:	EPA 3550B GCMS
Percent Solids:	93.00	Laboratory ID:	B5L2403-MS1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.		QC LIMITS REC.
Hexachlorocyclopentadiene	1790	ND	865	48		20 - 160
2,4,6-Trichlorophenol	1790	ND	1450	81		70 - 130
2,4,5-Trichlorophenol	1790	ND	1510	84		70 - 130
2-Chloronaphthalene	1790	ND	1240	69	*	70 - 130
2-Nitroaniline	1790	ND	1510	84		70 - 130
Dimethylphthalate	1790	ND	1550	86		70 - 130
Acenaphthylene	1790	ND	1420	79		70 - 130
3-Nitroaniline	1790	ND	1130	63	*	70 - 130
Acenaphthene	1790	ND	1380	77		70 - 130
2,4-Dinitrophenol	1790	ND	1100	61		20 - 160
4-Nitrophenol	1790	ND	1740	97		20 - 160
Dibenzofuran	1790	ND	1540	86		70 - 130
2,6-Dinitrotoluene	1790	ND	1520	85		70 - 130
2,4-Dinitrotoluene	1790	ND	1640	91		70 - 130
2,3,4,6-Tetrachlorophenol	1790	ND	1580	88		70 - 130
Diethyl phthalate	1790	ND	1510	84		70 - 130
4-Chlorophenyl-phenylether	1790	ND	1460	82		70 - 130
Fluorene	1790	ND	1480	82		70 - 130
4-Nitroaniline	1790	ND	1530	85		70 - 130
4,6-Dinitro-2-methylphenol	1790	ND	1390	78		70 - 130
Carbazole	1790	ND	1640	92		70 - 130
N-Nitrosodiphenylamine	1790	ND	1610	90		20 - 160
Azobenzene	1790	ND	1600	89		70 - 130
4-Bromophenyl-phenylether	1790	ND	1670	93		70 - 130
Hexachlorobenzene	1790	ND	1690	94		70 - 130
Pentachlorophenol	1790	ND	1460	81		20 - 160
Phenanthrene	1790	403	1640	69	*	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5L2403	Prep Method:	EPA 3550B GCMS
Percent Solids:	93.00	Laboratory ID:	B5L2403-MS1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.		QC LIMITS REC.
Anthracene	1790	95.3	1590	83		70 - 130
Di-n-butyl phthalate	1790	ND	1550	86		70 - 130
Fluoranthene	1790	465	1650	66	*	70 - 130
Pyrene	1790	392	1850	81		70 - 130
Butylbenzylphthalate	1790	ND	1700	95		70 - 130
Benzo[a]anthracene	1790	215	1690	82		70 - 130
bis(2-ethylhexyl)phthalate	1790	ND	1890	106		70 - 130
Chrysene	1790	220	1860	92		70 - 130
Di-n-octyl phthalate	1790	ND	1710	96		70 - 130
Benzo[b]fluoranthene	1790	195	1820	91		70 - 130
Benzo[k]fluoranthene	1790	208	1740	86		70 - 130
Benzo[a]pyrene	1790	193	1810	90		70 - 130
Indeno(1,2,3-cd)pyrene	1790	103	1690	89		70 - 130
Dibenzo(a,h)anthracene	1790	51.3	1730	94		70 - 130
Benzo[ghi]perylene	1790	104	1680	88		70 - 130

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9657.D Vial: 6
Acq On : 29 Dec 2015 14:39 Operator: JMM
Sample : B5L2403-MS1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 16:52 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.66	152	291778	40.00	ul/l	-0.12
21) Naphthalene-d8	13.89	136	1203542	40.00	ul/l	-0.13
37) Acenaphthene-d10	18.45	164	560778	40.00	ul/l	-0.15
61) Phenanthrene-d10	22.22	188	922206	40.00	ul/l	-0.15
75) Chrysene-d12	29.06	240	910199	40.00	ul/l	-0.16
84) Perylene-d12	32.46	264	807626	40.00	ul/l	-0.16
System Monitoring Compounds						
4) 2-Fluorophenol	7.73	112	862034	78.01	ul/l	-0.05
Spiked Amount 120.000	Range 30 - 130		Recovery = 65.01%			
7) Phenol-d5	10.08	99	1424411	87.39	ul/l	-0.07
Spiked Amount 120.000	Range 30 - 130		Recovery = 72.82%			
22) Nitrobenzene-d5	12.15	82	905724	74.73	ul/l	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 74.73%			
42) 2-Fluorobiphenyl	16.77	172	1421805	76.92	ul/l	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 76.92%			
60) 2,4,6-Tribromophenol	20.52	330	459184	133.80	ul/l	-0.13
Spiked Amount 120.000	Range 30 - 130		Recovery = 111.50%			
78) Terphenyl-d14	26.41	244	1943946	111.66	ul/l	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 111.66%			
Target Compounds						Qvalue
2) Pyridine	4.33	79	294562	24.35	ul/l	95
3) N-Nitrosodimethylamine	4.40	74	262769	25.96	ul/l	96
6) Aniline	9.98	93	532266	24.48	ul/l	90
8) Phenol	10.11	94	566394	31.92	ul/l	90
9) bis(2-Chloroethyl)ether	10.18	93	463558	29.81	ul/l	96
10) 2-Chlorophenol	10.25	128	387144	31.68	ul/l	95
11) 1,3-Dichlorobenzene	10.57	146	368028	31.39	ul/l	99
12) 1,4-Dichlorobenzene	10.71	146	378005	30.80	ul/l	98
13) Benzyl alcohol	11.15	79	358242	30.79	ul/l	89
14) 1,2-Dichlorobenzene	11.16	146	377527	31.46	ul/l	98
15) 2-Methylphenol	11.53	108	398273	32.38	ul/l	100
16) bis(2-chloroisopropyl)ethe	11.54	45	956509	30.23	ul/l #	73
18) 3&4-Methylphenol	11.91	108	447972	32.53	ul/l	96
19) N-Nitroso-di-n-propylamine	11.91	70	379391	30.73	ul/l	90
20) Hexachloroethane	11.92	117	166203	30.31	ul/l	95
23) Nitrobenzene	12.19	77	466653	33.85	ul/l	92
24) Isophorone	12.80	82	965331	33.05	ul/l	99
25) 2-Nitrophenol	12.99	139	221361	34.16	ul/l	96
26) 2,4-Dimethylphenol	13.22	107	388347	35.86	ul/l	98
28) bis(2-Chloroethoxy)methane	13.44	93	556542	33.42	ul/l	97
29) 2,4-Dichlorophenol	13.63	162	308752	36.42	ul/l	98
30) 1,2,4-Trichlorobenzene	13.80	180	301526	35.39	ul/l	96
31) Naphthalene	13.95	128	1091602	34.11	ul/l	99
32) 4-Chloroaniline	14.17	127	187304	12.91	ul/l	98
33) Hexachlorobutadiene	14.45	225	155126	33.96	ul/l #	58
35) 4-Chloro-3-methylphenol	15.50	107	381032	41.44	ul/l	99
36) 2-Methylnaphthalene	15.72	142	742813	35.04	ul/l	94
39) Hexachlorocyclopentadiene	16.32	237	113026	24.12	ul/l	96
40) 2,4,6-Trichlorophenol	16.56	196	234441	40.32	ul/l	98
41) 2,4,5-Trichlorophenol	16.65	196	255687	42.06	ul/l	100
44) 2-Chloronaphthalene	16.96	162	674643	34.65	ul/l	97
45) 2-Nitroaniline	17.35	65	302850	42.16	ul/l	90
46) Dimethylphthalate	17.97	163	904772	43.25	ul/l	99
47) Acenaphthylene	18.04	152	1175304	39.64	ul/l	98
48) 3-Nitroaniline	18.45	138	223844	31.41	ul/l	97
49) Acenaphthene	18.54	153	711237	38.60	ul/l	99
50) 2,4-Dinitrophenol	18.69	184	88312	30.73	ul/l	98
51) 4-Nitrophenol	18.96	109	95356	48.61	ul/l #	1
52) Dibenzofuran	18.94	168	1063917	43.10	ul/l #	57
53) 2,6-Dinitrotoluene	18.11	165	224191	42.53	ul/l	97
54) 2,4-Dinitrotoluene	19.11	165	300307	45.70	ul/l	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9657.D Vial: 6
Acq On : 29 Dec 2015 14:39 Operator: JMM
Sample : B5L2403-MS1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 16:52 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

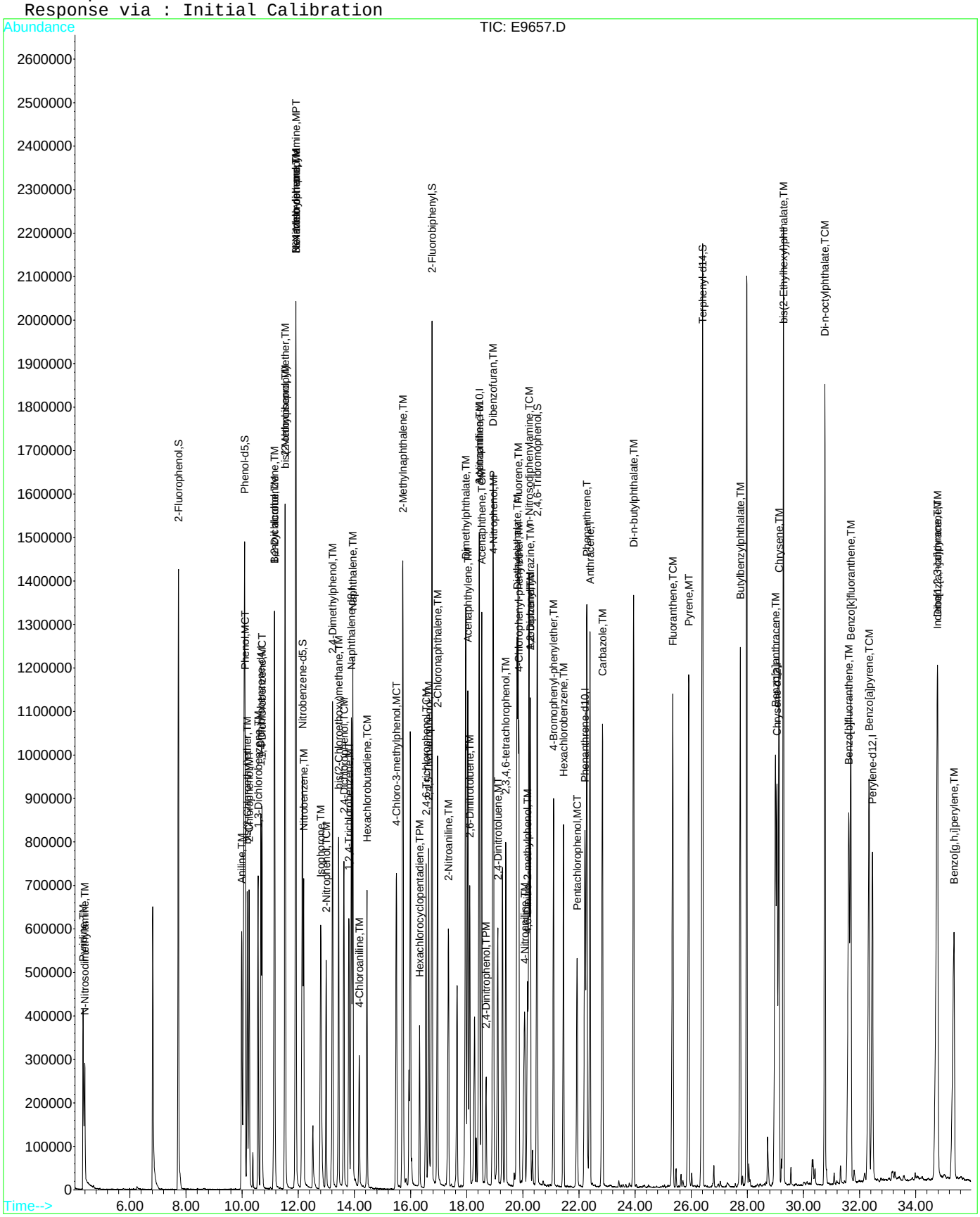
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
55)	2,3,4,6-tetrachlorophenol	19.39	232	234654	43.99	ul/l		96
56)	Diethylphthalate	19.79	149	935484	42.20	ul/l		100
57)	4-Chlorophenyl-phenylether	19.86	204	406497	40.78	ul/l		95
58)	Fluorene	19.83	166	901540	41.19	ul/l		97
59)	4-Nitroaniline	20.06	138	281916	42.63	ul/l		98
62)	4,6-Dinitro-2-methylphenol	20.17	198	173571	38.75	ul/l		96
63)	Carbazole	22.84	167	1182997	45.88	ul/l		99
64)	n-Nitrosodiphenylamine	20.22	169	763445	44.81	ul/l		98
65)	1,2-Diphenylhydrazine	20.27	77	1314370	44.67	ul/l		87
66)	Azobenzene	20.27	77	1314370	44.65	ul/l		87
67)	4-Bromophenyl-phenylether	21.10	248	255787	46.50	ul/l		96
68)	Hexachlorobenzene	21.45	284	293876	47.15	ul/l	#	69
70)	Pentachlorophenol	21.93	266	165661	40.73	ul/l		98
71)	Phenanthrene	22.28	178	1235089	45.75	ul/l		98
72)	Anthracene	22.40	178	1203685	44.39	ul/l		98
73)	Di-n-butylphthalate	23.95	149	1589931	43.25	ul/l		99
74)	Fluoranthene	25.35	202	1314372	45.91	ul/l		96
77)	Pyrene	25.91	202	1321937	51.58	ul/l		96
79)	Butylbenzylphthalate	27.75	149	719218	47.48	ul/l		95
81)	Benzo[a]anthracene	29.00	228	1234808	47.10	ul/l		98
82)	bis(2-Ethylhexyl)phthalate	29.29	149	1123023	52.87	ul/l		97
83)	Chrysene	29.13	228	1202579	52.02	ul/l		97
85)	Di-n-octylphthalate	30.77	149	1731999	47.77	ul/l		98
86)	Benzo[b]fluoranthene	31.62	252	1231209	50.90	ul/l		93
87)	Benzo[k]fluoranthene	31.69	252	1103946	48.57	ul/l		92
88)	Benzo[a]pyrene	32.34	252	1164658	50.53	ul/l		93
89)	Indeno[1,2,3-cd]pyrene	34.76	276	1192116	47.25	ul/l		75
90)	Dibenz[a,h]anthracene	34.78	278	1034156	48.21	ul/l		89
91)	Benzo[g,h,i]perylene	35.36	276	949167	46.89	ul/l		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1229\E9657.D Vial: 6
Acq On : 29 Dec 2015 14:39 Operator: JMM
Sample : B5L2403-MS1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 16:52 2016 Quant Results File: SVE81208.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5L2403	Prep Method:	EPA 3550B GCMS
Percent Solids:	93.00	Laboratory ID:	B5L2403-MSD1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Pyridine	1790	905	50		4	30	20 - 160
N-Nitrosodimethylamine	1790	995	55		7	30	20 - 160
Aniline	1790	949	53		8	30	20 - 160
Phenol	1790	1270	71		11	30	20 - 160
bis(2-chloroethyl)ether	1790	1210	67	*	12	30	70 - 130
2-Chlorophenol	1790	1280	71		12	30	70 - 130
1,3-Dichlorobenzene	1790	1250	70		10	30	70 - 130
1,4-Dichlorobenzene	1790	1240	69	*	12	30	70 - 130
Benzyl alcohol	1790	1220	68		10	30	20 - 160
1,2-Dichlorobenzene	1790	1250	70		10	30	70 - 130
2-Methylphenol	1790	1290	72		11	30	20 - 160
bis(2-chloroisopropyl)ether	1790	1180	66	*	8	30	70 - 130
3 & 4-Methylphenol	1790	1310	73		12	30	20 - 160
N-Nitroso-di-n-propylamine	1790	1210	68	*	10	30	70 - 130
Hexachloroethane	1790	1210	67		11	30	20 - 160
Nitrobenzene	1790	1320	74		8	30	70 - 130
Isophorone	1790	1300	73		9	30	70 - 130
2-Nitrophenol	1790	1350	76		10	30	70 - 130
2,4-Dimethylphenol	1790	1450	81		12	30	70 - 130
bis(2-chloroethoxy)methane	1790	1320	73		9	30	70 - 130
2,4-Dichlorophenol	1790	1440	81		10	30	70 - 130
1,2,4-Trichlorobenzene	1790	1360	76		7	30	70 - 130
Naphthalene	1790	1340	75		9	30	70 - 130
4-Chloroaniline	1790	438	24		6	30	20 - 160
Hexachlorobutadiene	1790	1340	75		9	30	70 - 130
4-Chloro-3-methylphenol	1790	1520	85		2	30	70 - 130
2-Methylnaphthylene	1790	1380	77		9	30	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5L2403	Prep Method:	EPA 3550B GCMS
Percent Solids:	93.00	Laboratory ID:	B5L2403-MSD1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Hexachlorocyclopentadiene	1790	762	42		13	30	20 - 160
2,4,6-Trichlorophenol	1790	1530	85		6	30	70 - 130
2,4,5-Trichlorophenol	1790	1600	89		6	30	70 - 130
2-Chloronaphthalene	1790	1330	74		7	30	70 - 130
2-Nitroaniline	1790	1550	86		2	30	70 - 130
Dimethylphthalate	1790	1590	89		3	30	70 - 130
Acenaphthylene	1790	1480	83		4	30	70 - 130
3-Nitroaniline	1790	1110	62	*	2	30	70 - 130
Acenaphthene	1790	1540	86		11	30	70 - 130
2,4-Dinitrophenol	1790	1020	57		8	30	20 - 160
4-Nitrophenol	1790	1750	97		0.2	30	20 - 160
Dibenzofuran	1790	1630	91		5	30	70 - 130
2,6-Dinitrotoluene	1790	1570	88		3	30	70 - 130
2,4-Dinitrotoluene	1790	1660	93		1	30	70 - 130
2,3,4,6-Tetrachlorophenol	1790	1610	90		2	30	70 - 130
Diethyl phthalate	1790	1520	85		0.8	30	70 - 130
4-Chlorophenyl-phenylether	1790	1490	83		2	30	70 - 130
Fluorene	1790	1560	87		6	30	70 - 130
4-Nitroaniline	1790	1540	86		0.8	30	70 - 130
4,6-Dinitro-2-methylphenol	1790	1290	72		7	30	70 - 130
Carbazole	1790	1720	96		4	30	70 - 130
N-Nitrosodiphenylamine	1790	1650	92		2	30	20 - 160
Azobenzene	1790	1660	92		3	30	70 - 130
4-Bromophenyl-phenylether	1790	1710	95		2	30	70 - 130
Hexachlorobenzene	1790	1700	95		0.7	30	70 - 130
Pentachlorophenol	1790	1510	84		3	30	20 - 160
Phenanthrene	1790	2050	92		22	30	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8270
Prep Batch:	B5L2403	Prep Method:	EPA 3550B GCMS
Percent Solids:	93.00	Laboratory ID:	B5L2403-MSD1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Anthracene	1790	1740	92	9	30	70 - 130
Di-n-butyl phthalate	1790	1560	87	0.6	30	70 - 130
Fluoranthene	1790	2100	91	24	30	70 - 130
Pyrene	1790	2270	105	20	30	70 - 130
Butylbenzylphthalate	1790	1690	94	0.8	30	70 - 130
Benzo[a]anthracene	1790	1950	97	15	30	70 - 130
bis(2-ethylhexyl)phthalate	1790	1730	97	9	30	70 - 130
Chrysene	1790	2140	107	14	30	70 - 130
Di-n-octyl phthalate	1790	1790	100	4	30	70 - 130
Benzo[b]fluoranthene	1790	2090	106	13	30	70 - 130
Benzo[k]fluoranthene	1790	1830	91	5	30	70 - 130
Benzo[a]pyrene	1790	2080	105	14	30	70 - 130
Indeno(1,2,3-cd)pyrene	1790	1570	82	8	30	70 - 130
Dibenzo(a,h)anthracene	1790	1590	86	8	30	70 - 130
Benzo[ghi]perylene	1790	1430	74	16	30	70 - 130

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9658.D Vial: 7
Acq On : 29 Dec 2015 15:23 Operator: JMM
Sample : B5L2403-MSD1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 16:55 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.66	152	303386	40.00	ul/l	-0.12
21) Naphthalene-d8	13.89	136	1242104	40.00	ul/l	-0.13
37) Acenaphthene-d10	18.45	164	565275	40.00	ul/l	-0.15
61) Phenanthrene-d10	22.21	188	912836	40.00	ul/l	-0.15
75) Chrysene-d12	29.06	240	923724	40.00	ul/l	-0.15
84) Perylene-d12	32.47	264	776446	40.00	ul/l	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	7.73	112	1009954	87.90	ul/l	-0.06
Spiked Amount 120.000	Range 30 - 130		Recovery = 73.25%			
7) Phenol-d5	10.08	99	1670463	98.57	ul/l	-0.07
Spiked Amount 120.000	Range 30 - 130		Recovery = 82.14%			
22) Nitrobenzene-d5	12.15	82	982847	78.57	ul/l	-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 78.57%			
42) 2-Fluorobiphenyl	16.77	172	1491972	80.07	ul/l	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 80.07%			
60) 2,4,6-Tribromophenol	20.52	330	479274	138.54	ul/l	-0.13
Spiked Amount 120.000	Range 30 - 130		Recovery = 115.45%			
78) Terphenyl-d14	26.40	244	1870091	105.85	ul/l	-0.13
Spiked Amount 100.000	Range 30 - 130		Recovery = 105.85%			
Target Compounds						Qvalue
2) Pyridine	4.32	79	317483	25.24	ul/l	95
3) N-Nitrosodimethylamine	4.38	74	292073	27.75	ul/l	96
6) Aniline	9.98	93	598687	26.48	ul/l	91
8) Phenol	10.11	94	655238	35.51	ul/l	91
9) bis(2-Chloroethyl)ether	10.18	93	544637	33.68	ul/l	98
10) 2-Chlorophenol	10.25	128	452227	35.59	ul/l	95
11) 1,3-Dichlorobenzene	10.57	146	424036	34.78	ul/l	98
12) 1,4-Dichlorobenzene	10.71	146	441494	34.59	ul/l	99
13) Benzyl alcohol	11.15	79	413069	34.15	ul/l	90
14) 1,2-Dichlorobenzene	11.16	146	435190	34.88	ul/l	98
15) 2-Methylphenol	11.53	108	461078	36.05	ul/l	100
16) bis(2-chloroisopropyl)ethe	11.54	45	1082737	32.91	ul/l #	73
18) 3&4-Methylphenol	11.91	108	524034	36.59	ul/l	96
19) N-Nitroso-di-n-propylamine	11.91	70	433893	33.80	ul/l	91
20) Hexachloroethane	11.91	117	192372	33.74	ul/l	93
23) Nitrobenzene	12.19	77	524031	36.83	ul/l	93
24) Isophorone	12.80	82	1095256	36.33	ul/l	99
25) 2-Nitrophenol	12.99	139	252777	37.80	ul/l	97
26) 2,4-Dimethylphenol	13.22	107	450602	40.32	ul/l	98
28) bis(2-Chloroethoxy)methane	13.44	93	631383	36.73	ul/l	97
29) 2,4-Dichlorophenol	13.63	162	352346	40.27	ul/l	98
30) 1,2,4-Trichlorobenzene	13.80	180	332842	37.86	ul/l	99
31) Naphthalene	13.94	128	1232831	37.33	ul/l	99
32) 4-Chloroaniline	14.17	127	182851	12.21	ul/l	98
33) Hexachlorobutadiene	14.45	225	175857	37.30	ul/l #	57
35) 4-Chloro-3-methylphenol	15.50	107	402510	42.41	ul/l	99
36) 2-Methylnaphthalene	15.72	142	839485	38.37	ul/l	94
39) Hexachlorocyclopentadiene	16.32	237	100356	21.25	ul/l	95
40) 2,4,6-Trichlorophenol	16.56	196	249734	42.61	ul/l	98
41) 2,4,5-Trichlorophenol	16.65	196	273602	44.65	ul/l	98
44) 2-Chloronaphthalene	16.96	162	728605	37.13	ul/l	98
45) 2-Nitroaniline	17.35	65	312633	43.17	ul/l	90
46) Dimethylphthalate	17.97	163	936709	44.42	ul/l	99
47) Acenaphthylene	18.04	152	1233219	41.26	ul/l	98
48) 3-Nitroaniline	18.44	138	221491	30.84	ul/l	99
49) Acenaphthene	18.54	153	796507	42.88	ul/l	99
50) 2,4-Dinitrophenol	18.69	184	80011	28.32	ul/l	98
51) 4-Nitrophenol	18.96	109	96335	48.72	ul/l #	1
52) Dibenzofuran	18.94	168	1131986	45.50	ul/l #	59
53) 2,6-Dinitrotoluene	18.11	165	233263	43.90	ul/l	98
54) 2,4-Dinitrotoluene	19.11	165	306948	46.34	ul/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9658.D Vial: 7
Acq On : 29 Dec 2015 15:23 Operator: JMM
Sample : B5L2403-MSD1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 16:55 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

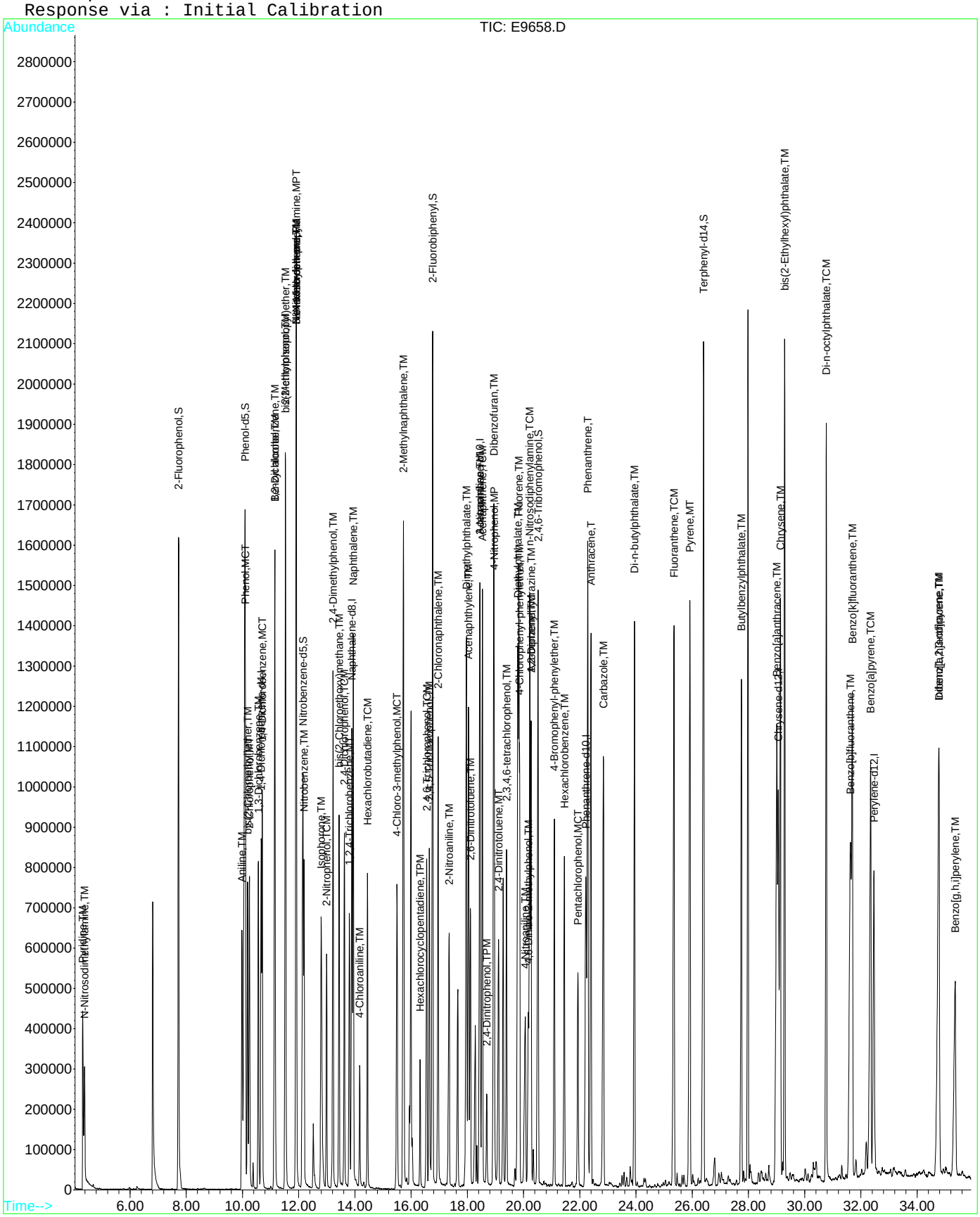
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
55)	2,3,4,6-tetrachlorophenol	19.39	232	241350	44.89	ul/l		97
56)	Diethylphthalate	19.79	149	950026	42.52	ul/l		100
57)	4-Chlorophenyl-phenylether	19.86	204	418622	41.66	ul/l		94
58)	Fluorene	19.83	166	962532	43.63	ul/l		97
59)	4-Nitroaniline	20.06	138	286521	42.98	ul/l		97
62)	4,6-Dinitro-2-methylphenol	20.16	198	157533	36.06	ul/l		98
63)	Carbazole	22.84	167	1221674	47.86	ul/l		99
64)	n-Nitrosodiphenylamine	20.22	169	774226	45.91	ul/l		98
65)	1,2-Diphenylhydrazine	20.27	77	1346671	46.23	ul/l		87
66)	Azobenzene	20.27	77	1346671	46.22	ul/l		87
67)	4-Bromophenyl-phenylether	21.10	248	259341	47.64	ul/l		96
68)	Hexachlorobenzene	21.45	284	293078	47.50	ul/l	#	71
70)	Pentachlorophenol	21.94	266	169720	42.16	ul/l		96
71)	Phenanthrene	22.28	178	1525014	57.07	ul/l		99
72)	Anthracene	22.40	178	1302092	48.51	ul/l		98
73)	Di-n-butylphthalate	23.95	149	1583796	43.52	ul/l		99
74)	Fluoranthene	25.35	202	1656768	58.47	ul/l		97
77)	Pyrene	25.92	202	1646940	63.32	ul/l		97
79)	Butylbenzylphthalate	27.75	149	724055	47.10	ul/l		95
81)	Benzo[a]anthracene	29.01	228	1450372	54.51	ul/l		98
82)	bis(2-Ethylhexyl)phthalate	29.29	149	1040300	48.26	ul/l		97
83)	Chrysene	29.14	228	1403081	59.81	ul/l		98
85)	Di-n-octylphthalate	30.77	149	1739899	49.91	ul/l		98
86)	Benzo[b]fluoranthene	31.63	252	1354683	58.25	ul/l		94
87)	Benzo[k]fluoranthene	31.69	252	1221263m	55.89	ul/l		
88)	Benzo[a]pyrene	32.34	252	1287673	58.11	ul/l		93
89)	Indeno[1,2,3-cd]pyrene	34.76	276	1059346	43.68	ul/l		75
90)	Dibenz[a,h]anthracene	34.78	278	916724	44.45	ul/l		90
91)	Benzo[g,h,i]perylene	35.36	276	775921	39.87	ul/l		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1229\E9658.D Vial: 7
Acq On : 29 Dec 2015 15:23 Operator: JMM
Sample : B5L2403-MSD1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 16:55 2016 Quant Results File: SVE81208.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration



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LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5L2403	Lab Sample ID:	B5L2403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.		QC LIMITS REC.
Pyridine	1670	1010	61		20 - 160
N-Nitrosodimethylamine	1670	1050	63		20 - 160
Aniline	1670	1000	60		20 - 160
Phenol	1670	1320	79		20 - 160
bis(2-chloroethyl)ether	1670	1230	74		70 - 130
2-Chlorophenol	1670	1330	80		70 - 130
1,3-Dichlorobenzene	1670	1280	77		70 - 130
1,4-Dichlorobenzene	1670	1280	77		70 - 130
Benzyl alcohol	1670	1290	78		20 - 160
1,2-Dichlorobenzene	1670	1310	78		70 - 130
2-Methylphenol	1670	1320	79		20 - 160
bis(2-chloroisopropyl)ether	1670	1230	74		70 - 130
3 & 4-Methylphenol	1670	1340	81		20 - 160
N-Nitroso-di-n-propylamine	1670	1290	77		70 - 130
Hexachloroethane	1670	1290	78		20 - 160
Nitrobenzene	1670	1390	83		70 - 130
Isophorone	1670	1330	80		70 - 130
2-Nitrophenol	1670	1410	84		70 - 130
2,4-Dimethylphenol	1670	1310	78		70 - 130
bis(2-chloroethoxy)methane	1670	1370	82		70 - 130
2,4-Dichlorophenol	1670	1440	86		70 - 130
1,2,4-Trichlorobenzene	1670	1410	85		70 - 130
Naphthalene	1670	1380	83		70 - 130
4-Chloroaniline	1670	424	25	*	70 - 130
Hexachlorobutadiene	1670	1380	83		70 - 130
4-Chloro-3-methylphenol	1670	1430	86		70 - 130
2-Methylnaphthylene	1670	1380	83		70 - 130
Hexachlorocyclopentadiene	1670	1230	74		20 - 160

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5L2403	Lab Sample ID:	B5L2403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.		QC LIMITS REC.
2,4,6-Trichlorophenol	1670	1460	87		70 - 130
2,4,5-Trichlorophenol	1670	1470	88		70 - 130
2-Chloronaphthalene	1670	1320	79		70 - 130
2-Nitroaniline	1670	1480	89		70 - 130
Dimethylphthalate	1670	1530	92		70 - 130
Acenaphthylene	1670	1440	87		70 - 130
3-Nitroaniline	1670	1060	64	*	70 - 130
Acenaphthene	1670	1420	85		70 - 130
2,4-Dinitrophenol	1670	891	53		20 - 160
4-Nitrophenol	1670	1660	99		20 - 160
Dibenzofuran	1670	1540	92		70 - 130
2,6-Dinitrotoluene	1670	1500	90		70 - 130
2,4-Dinitrotoluene	1670	1600	96		70 - 130
2,3,4,6-Tetrachlorophenol	1670	1490	89		70 - 130
Diethyl phthalate	1670	1470	88		70 - 130
4-Chlorophenyl-phenylether	1670	1410	85		70 - 130
Fluorene	1670	1440	86		70 - 130
4-Nitroaniline	1670	1460	88		70 - 130
4,6-Dinitro-2-methylphenol	1670	1320	79		70 - 130
Carbazole	1670	1530	92		70 - 130
N-Nitrosodiphenylamine	1670	1510	90		20 - 160
Azobenzene	1670	1480	88		70 - 130
4-Bromophenyl-phenylether	1670	1590	96		70 - 130
Hexachlorobenzene	1670	1580	95		70 - 130
Pentachlorophenol	1670	1360	82		20 - 160
Phenanthrene	1670	1510	90		70 - 130
Anthracene	1670	1510	90		70 - 130
Di-n-butyl phthalate	1670	1470	88		70 - 130

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 3550B GCMS
Prep Batch:	B5L2403	Lab Sample ID:	B5L2403-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Fluoranthene	1670	1450	87	70 - 130
Pyrene	1670	1650	99	70 - 130
Butylbenzylphthalate	1670	1640	98	70 - 130
Benzo[a]anthracene	1670	1580	95	70 - 130
bis(2-ethylhexyl)phthalate	1670	1630	98	70 - 130
Chrysene	1670	1720	104	70 - 130
Di-n-octyl phthalate	1670	1630	98	70 - 130
Benzo[b]fluoranthene	1670	1700	102	70 - 130
Benzo[k]fluoranthene	1670	1620	97	70 - 130
Benzo[a]pyrene	1670	1720	103	70 - 130
Indeno(1,2,3-cd)pyrene	1670	1760	106	70 - 130
Dibenzo(a,h)anthracene	1670	1780	107	70 - 130
Benzo[ghi]perylene	1670	1770	106	70 - 130

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9653.D Vial: 2
Acq On : 29 Dec 2015 11:42 Operator: JMM
Sample : B5L2403-BS1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 7 8:00 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.67	152	292306	40.00	ul/l		-0.11
21) Naphthalene-d8	13.90	136	1198847	40.00	ul/l		-0.12
37) Acenaphthene-d10	18.46	164	540842	40.00	ul/l		-0.14
61) Phenanthrene-d10	22.22	188	900088	40.00	ul/l		-0.14
75) Chrysene-d12	29.06	240	877431	40.00	ul/l		-0.15
84) Perylene-d12	32.46	264	784411	40.00	ul/l		-0.15
System Monitoring Compounds							
4) 2-Fluorophenol	7.74	112	1083418	97.87	ul/l		-0.05
Spiked Amount 120.000	Range 30 - 130		Recovery = 81.56%				
7) Phenol-d5	10.09	99	1769175	108.35	ul/l		-0.06
Spiked Amount 120.000	Range 30 - 130		Recovery = 90.29%				
22) Nitrobenzene-d5	12.16	82	1113195	92.20	ul/l		-0.11
Spiked Amount 100.000	Range 30 - 130		Recovery = 92.20%				
42) 2-Fluorobiphenyl	16.78	172	1604112	89.98	ul/l		-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 89.98%				
60) 2,4,6-Tribromophenol	20.52	330	454057	137.18	ul/l		-0.12
Spiked Amount 120.000	Range 30 - 130		Recovery = 114.32%				
78) Terphenyl-d14	26.41	244	1876233	111.80	ul/l		-0.12
Spiked Amount 100.000	Range 30 - 130		Recovery = 111.80%				
Target Compounds							Qvalue
2) Pyridine	4.34	79	368486	30.41	ul/l		95
3) N-Nitrosodimethylamine	4.41	74	320100	31.57	ul/l		95
5) Benzaldehyde	9.99	77	7665	5.01	ul/l	#	1
6) Aniline	9.99	93	656590	30.14	ul/l		91
8) Phenol	10.12	94	704124	39.60	ul/l		90
9) bis(2-Chloroethyl)ether	10.19	93	576910	37.03	ul/l		98
10) 2-Chlorophenol	10.26	128	487229	39.80	ul/l		95
11) 1,3-Dichlorobenzene	10.57	146	451700	38.45	ul/l		98
12) 1,4-Dichlorobenzene	10.72	146	472774	38.45	ul/l		99
13) Benzyl alcohol	11.16	79	452338	38.81	ul/l		89
14) 1,2-Dichlorobenzene	11.17	146	471170	39.20	ul/l		98
15) 2-Methylphenol	11.54	108	488428	39.64	ul/l		99
16) bis(2-chloroisopropyl)ethe	11.54	45	1172231	36.98	ul/l	#	73
17) Acetophenone	11.92	105	4711	0.30	ul/l	#	1
18) 3&4-Methylphenol	11.92	108	555769	40.28	ul/l		97
19) N-Nitroso-di-n-propylamine	11.92	70	476847	38.56	ul/l		91
20) Hexachloroethane	11.92	117	213222	38.82	ul/l		93
23) Nitrobenzene	12.21	77	570728	41.56	ul/l		93
24) Isophorone	12.81	82	1160873	39.90	ul/l		99
25) 2-Nitrophenol	13.00	139	272315	42.19	ul/l		97
26) 2,4-Dimethylphenol	13.22	107	422760	39.20	ul/l		98
27) Benzoic Acid	13.23	122	433149	71.54	ul/l	#	11
28) bis(2-Chloroethoxy)methane	13.45	93	682084	41.11	ul/l		98
29) 2,4-Dichlorophenol	13.64	162	364046	43.11	ul/l		98
30) 1,2,4-Trichlorobenzene	13.81	180	358975	42.30	ul/l		99
31) Naphthalene	13.95	128	1315719	41.28	ul/l		100
32) 4-Chloroaniline	14.18	127	184093	12.73	ul/l		99
33) Hexachlorobutadiene	14.46	225	187912	41.30	ul/l	#	59
35) 4-Chloro-3-methylphenol	15.50	107	392653	42.87	ul/l		99
36) 2-Methylnaphthalene	15.73	142	873766	41.38	ul/l		93
39) Hexachlorocyclopentadiene	16.33	237	166334	36.81	ul/l		95
40) 2,4,6-Trichlorophenol	16.56	196	245269	43.74	ul/l		98
41) 2,4,5-Trichlorophenol	16.66	196	258736	44.13	ul/l		98
43) 1,1'-Biphenyl	16.96	154	5987	0.25	ul/l	#	1
44) 2-Chloronaphthalene	16.97	162	741296	39.48	ul/l		98
45) 2-Nitroaniline	17.36	65	308550	44.54	ul/l		90
46) Dimethylphthalate	17.98	163	928970	46.04	ul/l		99
47) Acenaphthylene	18.05	152	1237190	43.26	ul/l		98
48) 3-Nitroaniline	18.45	138	218682	31.82	ul/l		97
49) Acenaphthene	18.55	153	755305	42.50	ul/l		98
50) 2,4-Dinitrophenol	18.70	184	70854	26.72	ul/l		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9653.D Vial: 2
Acq On : 29 Dec 2015 11:42 Operator: JMM
Sample : B5L2403-BS1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 7 8:00 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

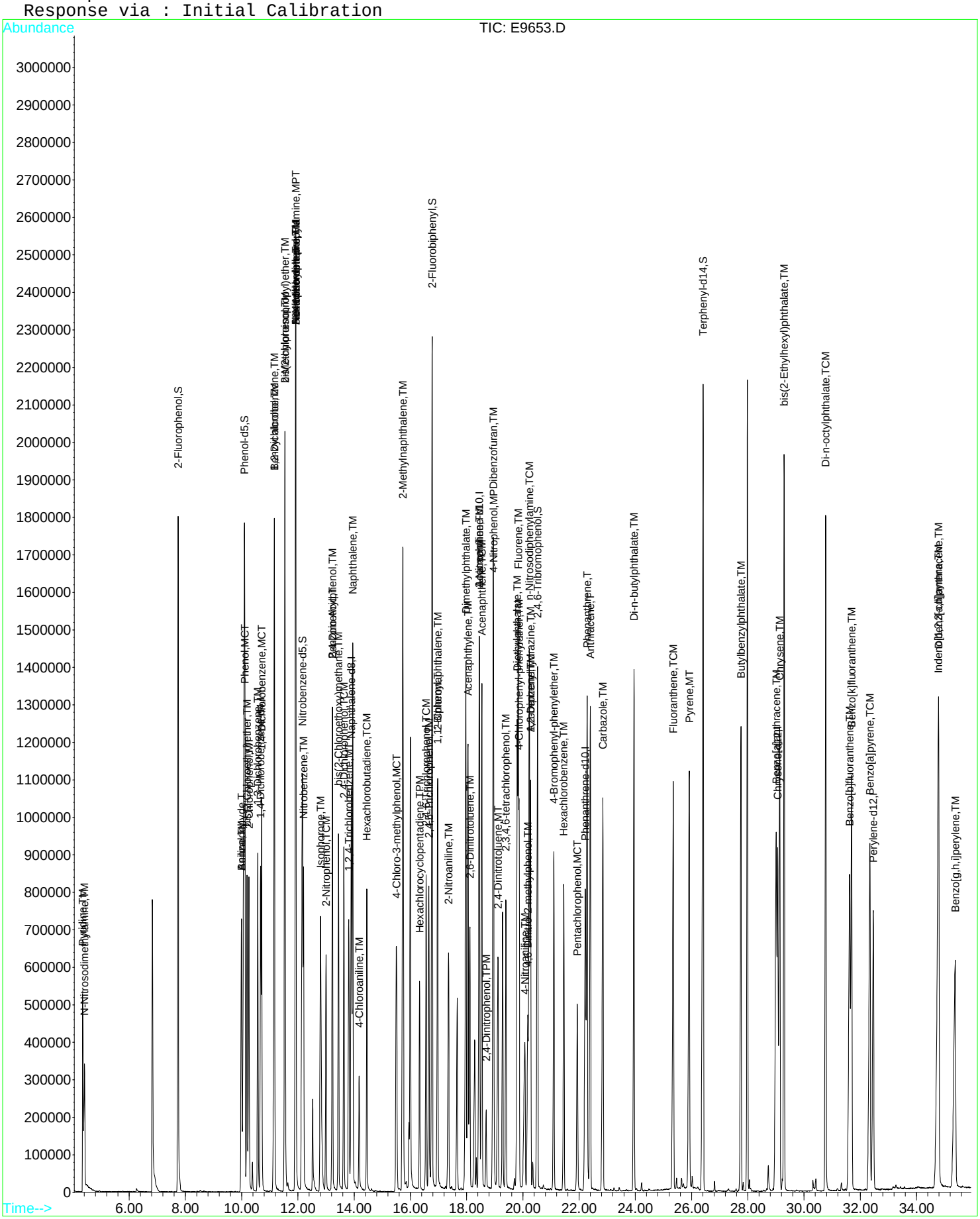
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
51) 4-Nitrophenol	18.96	109	93967	49.67	ul/l	#	1
52) Dibenzofuran	18.94	168	1097765	46.12	ul/l	#	59
53) 2,6-Dinitrotoluene	18.12	165	229488	45.14	ul/l		98
54) 2,4-Dinitrotoluene	19.12	165	304367	48.03	ul/l		97
55) 2,3,4,6-tetrachlorophenol	19.40	232	229297	44.57	ul/l		97
56) Diethylphthalate	19.79	149	942868	44.10	ul/l		100
57) 4-Chlorophenyl-phenylether	19.87	204	407048	42.34	ul/l		95
58) Fluorene	19.83	166	912475	43.23	ul/l		98
59) 4-Nitroaniline	20.07	138	279512	43.82	ul/l		98
62) 4,6-Dinitro-2-methylphenol	20.17	198	173950	39.62	ul/l		98
63) Carbazole	22.85	167	1155941	45.93	ul/l		99
64) n-Nitrosodiphenylamine	20.23	169	752187	45.24	ul/l		98
65) 1,2-Diphenylhydrazine	20.27	77	1271324	44.27	ul/l		86
66) Azobenzene	20.27	77	1271324	44.25	ul/l		86
67) 4-Bromophenyl-phenylether	21.10	248	256618	47.80	ul/l		97
68) Hexachlorobenzene	21.46	284	289051	47.51	ul/l	#	70
70) Pentachlorophenol	21.94	266	162152	40.85	ul/l		96
71) Phenanthrene	22.29	178	1190417	45.18	ul/l		99
72) Anthracene	22.40	178	1195187	45.16	ul/l		98
73) Di-n-butylphthalate	23.95	149	1581409	44.07	ul/l		99
74) Fluoranthene	25.35	202	1215411	43.50	ul/l		96
77) Pyrene	25.92	202	1222948	49.50	ul/l		95
79) Butylbenzylphthalate	27.76	149	717616	49.14	ul/l		95
81) Benzo[a]anthracene	29.01	228	1197917	47.40	ul/l		97
82) bis(2-Ethylhexyl)phthalate	29.29	149	998463	48.76	ul/l		97
83) Chrysene	29.13	228	1153144	51.75	ul/l		98
85) Di-n-octylphthalate	30.77	149	1726477	49.02	ul/l		98
86) Benzo[b]fluoranthene	31.62	252	1195614	50.89	ul/l		93
87) Benzo[k]fluoranthene	31.69	252	1074046	48.65	ul/l		93
88) Benzo[a]pyrene	32.34	252	1156450	51.66	ul/l		93
89) Indeno[1,2,3-cd]pyrene	34.77	276	1295613	52.88	ul/l		75
90) Dibenz[a,h]anthracene	34.79	278	1112088	53.38	ul/l		89
91) Benzo[g,h,i]perylene	35.38	276	1046869	53.24	ul/l		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1229\E9653.D Vial: 2
Acq On : 29 Dec 2015 11:42 Operator: JMM
Sample : B5L2403-BS1 Inst : GC/MS E
Misc : SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 7 8:00 2016 Quant Results File: SVE81208.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



Accredited Analytical Resources, LLC.

METHOD BLANK SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Blank ID:	B5L2403-BLK1	Batch:	B5L2403

Client Sample ID	Laboratory Sample ID	Lab File ID	Analysis Date/Time
EP-18	1502323-01	E9636.D	12/28/2015 15:48
LCS	B5L2403-BS1	E9653.D	12/29/2015 11:42
Matrix Spike	B5L2403-MS1	E9657.D	12/29/2015 14:39
Matrix Spike Dup	B5L2403-MSD1	E9658.D	12/29/2015 15:23

INSTRUMENT PERFORMANCE CHECK

EPA 8270

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502323
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Lab File ID:	E9451.D	Injection Date:	12/08/15
Instrument ID:	GC/MS E	Injection Time:	10:44
Sequence:	S5L0816	Lab Sample ID:	S5L0816-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
51	30 - 60% of 198	54.8	PASS
69	Base peak, 100% relative abundance	100	PASS
68	Less than 2% of 69	0	PASS
70	Less than 2% of 69	0.344	PASS
127	40 - 60% of 198	48.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.39	PASS
275	10 - 30% of 198	19.9	PASS
365	1 - 100% of 198	1.82	PASS
441	0.01 - 100% of 443	74.6	PASS
442	40 - 100% of 198	79.9	PASS
443	17 - 23% of 442	19.1	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Cal Standard	S5L0816-CAL1	E9454.D	12/08/2015	12:37:00
Cal Standard	S5L0816-CAL2	E9455.D	12/08/2015	15:04:00
Cal Standard	S5L0816-CAL3	E9456.D	12/08/2015	15:48:00
Cal Standard	S5L0816-CAL4	E9457.D	12/08/2015	16:33:00
Cal Standard	S5L0816-CAL5	E9458.D	12/08/2015	18:02:00
Cal Standard	S5L0816-CAL6	E9459.D	12/08/2015	18:47:00

INSTRUMENT PERFORMANCE CHECK

EPA 8270

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502323
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Lab File ID:	E9632.D	Injection Date:	12/28/15
Instrument ID:	GC/MS E	Injection Time:	11:52
Sequence:	S5L2803	Lab Sample ID:	S5L2803-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
51	30 - 60% of 198	51	PASS
69	Base peak, 100% relative abundance	100	PASS
68	Less than 2% of 69	0	PASS
70	Less than 2% of 69	0.0853	PASS
127	40 - 60% of 198	47.7	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.56	PASS
275	10 - 30% of 198	21	PASS
365	1 - 100% of 198	1.95	PASS
441	0.01 - 100% of 443	69.7	PASS
442	40 - 100% of 198	92	PASS
443	17 - 23% of 442	19.9	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S5L2803-CCV1	E9634.D	12/28/2015	14:20:00
EP-18	1502323-01	E9636.D	12/28/2015	15:48:00

INSTRUMENT PERFORMANCE CHECK

EPA 8270

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502323
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Lab File ID:	E9649.D	Injection Date:	12/29/15
Instrument ID:	GC/MS E	Injection Time:	09:09
Sequence:	S5L2909	Lab Sample ID:	S5L2909-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
51	30 - 60% of 198	57.2	PASS
69	Base peak, 100% relative abundance	100	PASS
68	Less than 2% of 69	0	PASS
70	Less than 2% of 69	0.431	PASS
127	40 - 60% of 198	49.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.48	PASS
275	10 - 30% of 198	19.8	PASS
365	1 - 100% of 198	1.92	PASS
441	0.01 - 100% of 443	72.1	PASS
442	40 - 100% of 198	81.3	PASS
443	17 - 23% of 442	19.3	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S5L2909-CCV1	E9651.D	12/29/2015	10:13:00
Blank	B5L2403-BLK1	E9652.D	12/29/2015	10:58:00
LCS	B5L2403-BS1	E9653.D	12/29/2015	11:42:00
Matrix Spike	B5L2403-MS1	E9657.D	12/29/2015	14:39:00
Matrix Spike Dup	B5L2403-MSD1	E9658.D	12/29/2015	15:23:00

Accredited Analytical Resources, LLC.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Sequence: S5L2803 Instrument: GC/MS E
Calibration: 15L3101

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5L2803-CCV1)			*Lab File ID: E9634.D*			*Analyzed: 12/28/15 14:20*			
1,4-Dichlorobenzene-d4	320304	10.63	290369	10.77	110	50 - 200	-0.1400	+/-0.50	
Naphthalene-d8	1424146	13.87	1273176	14.01	112	50 - 200	-0.1400	+/-0.50	
Acenaphthene-d10	728932	18.42	607041	18.58	120	50 - 200	-0.1600	+/-0.50	
Phenanthrene-d10	1218561	22.19	1085725	22.35	112	50 - 200	-0.1600	+/-0.50	
Chrysene-d12	1350692	29.03	1193449	29.19	113	50 - 200	-0.1600	+/-0.50	
Perylene-d12	1238986	32.44	1132813	32.6	109	50 - 200	-0.1600	+/-0.50	
EP-18 (1502323-01)			*Lab File ID: E9636.D*			*Analyzed: 12/28/15 15:48*			
1,4-Dichlorobenzene-d4	233809	10.62	320304	10.63	73	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	941338	13.84	1424146	13.87	66	50 - 200	-0.0300	+/-0.50	
Acenaphthene-d10	440251	18.4	728932	18.42	60	50 - 200	-0.0200	+/-0.50	
Phenanthrene-d10	779829	22.17	1218561	22.19	64	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	800841	29	1350692	29.03	59	50 - 200	-0.0300	+/-0.50	
Perylene-d12	693120	32.4	1238986	32.44	56	50 - 200	-0.0400	+/-0.50	

* Values outside of QC limits

Accredited Analytical Resources, LLC.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Sequence: S5L2909 Instrument: GC/MS E
Calibration: 15L3101

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5L2909-CCV1)			*Lab File ID: E9651.D*			*Analyzed: 12/29/15 10:13*			
1,4-Dichlorobenzene-d4	369444	10.67	290369	10.77	127	50 - 200	-0.1000	+/-0.50	
Naphthalene-d8	1558236	13.9	1273176	14.01	122	50 - 200	-0.1100	+/-0.50	
Acenaphthene-d10	770825	18.46	607041	18.58	127	50 - 200	-0.1200	+/-0.50	
Phenanthrene-d10	1251272	22.23	1085725	22.35	115	50 - 200	-0.1200	+/-0.50	
Chrysene-d12	1283080	29.08	1193449	29.19	108	50 - 200	-0.1100	+/-0.50	
Perylene-d12	1155605	32.48	1132813	32.6	102	50 - 200	-0.1200	+/-0.50	
Blank (B5L2403-BLK1)			*Lab File ID: E9652.D*			*Analyzed: 12/29/15 10:58*			
1,4-Dichlorobenzene-d4	285131	10.66	369444	10.67	77	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	1115461	13.88	1558236	13.9	72	50 - 200	-0.0200	+/-0.50	
Acenaphthene-d10	463810	18.43	770825	18.46	60	50 - 200	-0.0300	+/-0.50	
Phenanthrene-d10	790227	22.2	1251272	22.23	63	50 - 200	-0.0300	+/-0.50	
Chrysene-d12	721280	29.03	1283080	29.08	56	50 - 200	-0.0500	+/-0.50	
Perylene-d12	622513	32.44	1155605	32.48	54	50 - 200	-0.0400	+/-0.50	
LCS (B5L2403-BS1)			*Lab File ID: E9653.D*			*Analyzed: 12/29/15 11:42*			
1,4-Dichlorobenzene-d4	292306	10.67	369444	10.67	79	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	1198847	13.9	1558236	13.9	77	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	540842	18.46	770825	18.46	70	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	900088	22.22	1251272	22.23	72	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	877431	29.06	1283080	29.08	68	50 - 200	-0.0200	+/-0.50	
Perylene-d12	784411	32.46	1155605	32.48	68	50 - 200	-0.0200	+/-0.50	

Accredited Analytical Resources, LLC.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Sequence: S5L2909 Instrument: GC/MS E
Calibration: 15L3101

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B5L2403-MS1)			*Lab File ID: E9657.D*			*Analyzed: 12/29/15 14:39*			
1,4-Dichlorobenzene-d4	291778	10.66	369444	10.67	79	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	1203542	13.89	1558236	13.9	77	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	560778	18.45	770825	18.46	73	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	922206	22.22	1251272	22.23	74	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	910199	29.06	1283080	29.08	71	50 - 200	-0.0200	+/-0.50	
Perylene-d12	807626	32.46	1155605	32.48	70	50 - 200	-0.0200	+/-0.50	
Matrix Spike Dup (B5L2403-MSD1)			*Lab File ID: E9658.D*			*Analyzed: 12/29/15 15:23*			
1,4-Dichlorobenzene-d4	303386	10.66	369444	10.67	82	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	1242104	13.89	1558236	13.9	80	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	565275	18.45	770825	18.46	73	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	912836	22.21	1251272	22.23	73	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	923724	29.06	1283080	29.08	72	50 - 200	-0.0200	+/-0.50	
Perylene-d12	776446	32.47	1155605	32.48	67	50 - 200	-0.0100	+/-0.50	

* Values outside of QC limits

Accredited Analytical Resources, LLC.

SEMIVOLATILES CALIBRATION DATA

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L3101	Instrument:	GC/MS E
		Calibration Date:	12/8/2015 11:44:01AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Pyridine	5	1.53915	10	1.703113	20	1.658531	50	1.794804	80	1.635847	120	1.617796
N-Nitrosodimethylamine	5	1.382251	10	1.373187	20	1.365366	50	1.460436	80	1.360997	120	1.38308
Benzaldehyde	5	0.2285503	10	0.2036691	20	0.2060413	50	0.2081595	80	0.2352701	120	0.174864
Aniline	5	3.002193	10	3.122289	20	2.962451	50	3.112116	80	2.861858	120	2.824367
Phenol	5	2.333882	10	2.401207	20	2.328541	50	2.570111	80	2.461024	120	2.502686
bis(2-chloroethyl)ether	5	2.118317	10	2.123967	20	2.054896	50	2.237564	80	2.110608	120	2.145819
2-Chlorophenol	5	1.568865	10	1.601649	20	1.613884	50	1.770726	80	1.722803	120	1.773029
1,3-Dichlorobenzene	5	1.545847	10	1.594737	20	1.605233	50	1.690624	80	1.601359	120	1.606623
1,4-Dichlorobenzene	5	1.619102	10	1.666826	20	1.631806	50	1.781959	80	1.698838	120	1.69728
Benzyl alcohol	5	1.467168	10	1.568421	20	1.554401	50	1.688912	80	1.63631	120	1.653685
1,2-Dichlorobenzene	5	1.552009	10	1.57722	20	1.581319	50	1.734306	80	1.717112	120	1.707284
2-Methylphenol	5	1.517609	10	1.60394	20	1.608395	50	1.800682	80	1.770299	120	1.815733
bis(2-chloroisopropyl)ether	5	4.340521	10	4.365526	20	4.301871	50	4.611999	80	4.246727	120	4.161357
Acetophenone	5	2.133009	10	2.185694	20	2.15906	50	2.307564	80	2.14314	120	2.105208
3 & 4-Methylphenol	5	1.661166	10	1.759491	20	1.745145	50	1.990478	80	2.104287	120	2.068154
N-Nitroso-di-n-propylamine	5	1.61653	10	1.650104	20	1.615565	50	1.847	80	1.730202	120	1.695223
Hexachloroethane	5	0.6411937	10	0.6881093	20	0.7071209	50	0.8187025	80	0.8411522	120	0.8136648
Nitrobenzene	5	0.4547662	10	0.4555441	20	0.4547038	50	0.4794317	80	0.4502055	120	0.454226
Isophorone	5	0.9569958	10	1.00548	20	0.9902543	50	1.00632	80	0.9341171	120	0.9316134
2-Nitrophenol	5	0.1896846	10	0.2077569	20	0.2116518	50	0.2292024	80	0.2232656	120	0.2306483
2,4-Dimethylphenol	5	0.3378736	10	0.35309	20	0.3612525	50	0.382806	80	0.358286	120	0.3659696
Benzoic acid	5	8.172049E-02	10	0.1376852	20	0.1203557	50	0.1780554	80	0.2077277	120	0.2107771
bis(2-chloroethoxy)methane	5	0.5488537	10	0.5541547	20	0.5585324	50	0.583882	80	0.538683	120	0.537148
2,4-Dichlorophenol	5	0.2589855	10	0.2622204	20	0.2735317	50	0.3034988	80	0.2909646	120	0.3013024
1,2,4-Trichlorobenzene	5	0.2682229	10	0.2735765	20	0.2773269	50	0.3007205	80	0.2870618	120	0.2918823
Naphthalene	5	1.048414	10	1.077625	20	1.072037	50	1.128411	80	1.033109	120	1.021522

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L3101	Instrument:	GC/MS E
		Calibration Date:	12/8/2015 11:44:01AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
4-Chloroaniline	5	0.42041	10	0.4832116	20	0.4881352	50	0.5184541	80	0.4913196	120	0.4923874
Hexachlorobutadiene	5	0.1392722	10	0.1458439	20	0.148179	50	0.1616572	80	0.1552514	120	0.1606732
Caprolactam	5	0.2681355	10	0.276882	20	0.2762132	50	0.2094426	80	0.2562828	120	0.2383658
4-Chloro-3-methylphenol	5	0.2856953	10	0.3027615	20	0.3112233	50	0.3235012	80	0.3045366	120	0.3059183
2-Methylnaphthylene	5	0.6822746	10	0.6973963	20	0.7087975	50	0.7332036	80	0.6953516	120	0.710074
1,2,4,5-Tetrachlorobenzene	5	0.5533766	10	0.5705128	20	0.5760468	50	0.6185676	80	0.5909383	120	0.6554
Hexachlorocyclopentadiene	5	0.2678231	10	0.2884866	20	0.321718	50	0.375815	80	0.3574899	120	0.3940819
2,4,6-Trichlorophenol	5	0.3805615	10	0.3828522	20	0.403037	50	0.4387772	80	0.4204965	120	0.4626009
2,4,5-Trichlorophenol	5	0.3944331	10	0.4111293	20	0.4186406	50	0.4604775	80	0.4303722	120	0.4866561
2-Chloronaphthalene	5	1.266605	10	1.25635	20	1.327446	50	1.470926	80	1.437633	120	1.572915
1,1-Biphenyl	5	1.610129	10	1.632667	20	1.697928	50	1.864173	80	1.802051	120	1.909692
2-Nitroaniline	5	0.4833753	10	0.4966743	20	0.5064436	50	0.5396643	80	0.5059098	120	0.5423209
Dimethylphthalate	5	1.457655	10	1.459411	20	1.463143	50	1.51497	80	1.444333	120	1.61389
Acenaphthylene	5	2.040931	10	2.069056	20	2.073458	50	2.129018	80	2.052242	120	2.32579
3-Nitroaniline	5	0.4685075	10	0.4852433	20	0.5054947	50	0.5423621	80	0.5028059	120	0.5453104
Acenaphthene	5	1.265671	10	1.274217	20	1.298064	50	1.358233	80	1.278044	120	1.411893
2,4-Dinitrophenol	5	5.224555E-02	10	0.1023973	20	0.1589514	50	0.2188146	80	0.2260494	120	0.2574359
4-Nitrophenol	5	0.1108342	10	0.123156	20	0.1362577	50	0.1597199	80	0.1517553	120	0.1577422
Dibenzofuran	5	1.697003	10	1.732773	20	1.758965	50	1.841571	80	1.715308	120	1.817766
2,6-Dinitrotoluene	5	0.3487828	10	0.3638464	20	0.3729402	50	0.3950455	80	0.3718196	120	0.4036998
2,4-Dinitrotoluene	5	0.4231599	10	0.4565592	20	0.4782346	50	0.497287	80	0.4629113	120	0.4940846
2,3,4,6-Tetrachlorophenol	5	0.3484676	10	0.3574172	20	0.3727491	50	0.395116	80	0.3840913	120	0.4250094
Diethyl phthalate	5	1.486533	10	1.511295	20	1.53642	50	1.592293	80	1.602778	120	1.757957
4-Chlorophenyl-phenylether	5	0.6279428	10	0.6474188	20	0.6662449	50	0.7220955	80	0.7485478	120	0.8538235
Fluorene	5	1.395573	10	1.403839	20	1.454772	50	1.591491	80	1.66504	120	1.85634
4-Nitroaniline	5	0.427107	10	0.4799096	20	0.4802048	50	0.4931724	80	0.4555062	120	0.4945033

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L3101	Instrument:	GC/MS E
		Calibration Date:	12/8/2015 11:44:01AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
4,6-Dinitro-2-methylphenol	5	9.430078E-02	10	0.1220238	20	0.1520919	50	0.1852523	80	0.1961587	120	0.2306814
Carbazole	5	1.093867	10	1.090071	20	1.114708	50	1.174155	80	1.100492	120	1.137229
N-Nitrosodiphenylamine	5	0.6729998	10	0.6619205	20	0.6754454	50	0.7724407	80	0.7881466	120	0.8627605
1,2-Diphenylhydrazine	5	1.170046	10	1.169719	20	1.170088	50	1.34737	80	1.357035	120	1.443677
Azobenzene	5	1.170046	10	1.169719	20	1.170088	50	1.349908	80	1.357035	120	1.443286
4-Bromophenyl-phenylether	5	0.2180538	10	0.2277433	20	0.2304819	50	0.2522573	80	0.2437852	120	0.2590858
Atrazine	5	0.2234693	10	0.2213787	20	0.2246683	50	0.2351469	80	0.2160458	120	0.2197665
Hexachlorobenzene	5	0.257309	10	0.2550757	20	0.2601156	50	0.2873116	80	0.2730381	120	0.2892419
Pentachlorophenol	5	0.1435978	10	0.166351	20	0.169752	50	0.1952226	80	0.1868641	120	0.1966678
Phenanthrene	5	1.130255	10	1.13959	20	1.149652	50	1.245787	80	1.162175	120	1.197804
Anthracene	5	1.118997	10	1.134673	20	1.157588	50	1.249324	80	1.181796	120	1.214611
Di-n-butyl phthalate	5	1.612098	10	1.574532	20	1.628775	50	1.676727	80	1.525947	120	1.549454
Fluoranthene	5	1.210453	10	1.229104	20	1.257582	50	1.302953	80	1.208798	120	1.241518
Benzidine	5	0.3282698	10	0.4551709	20	0.4752511	50	0.5275573	80	0.4647766	120	0.4576975
Pyrene	5	1.192049	10	1.186149	20	1.168838	50	1.196705	80	1.016686	120	0.9974205
Butylbenzylphthalate	5	0.707717	10	0.7041923	20	0.6916978	50	0.707493	80	0.5947493	120	0.5883364
3,3'-Dichlorobenzidine	5	0.4187818	10	0.4132044	20	0.4226942	50	0.4856956	80	0.4659313	120	0.4604398
Benzo[a]anthracene	5	1.152184	10	1.155441	20	1.173027	50	1.254641	80	1.103515	120	1.074586
bis(2-ethylhexyl)phthalate	5	0.9611369	10	0.9529653	20	0.9695747	50	0.9988955	80	0.8676118	120	0.8505036
Chrysene	5	1.031603	10	1.024806	20	1.035007	50	1.098416	80	0.9636753	120	0.941835
Di-n-octyl phthalate	5	1.799082	10	1.818631	20	1.800897	50	1.870236	80	1.697606	120	1.789049
Benzo[b]fluoranthene	5	1.120666	10	1.141941	20	1.140704	50	1.269669	80	1.230567	120	1.28475
Benzo[k]fluoranthene	5	1.029769	10	1.142228	20	1.061033	50	1.201501	80	1.107326	120	1.212838
Benzo[a]pyrene	5	1.084559	10	1.108805	20	1.115577	50	1.214624	80	1.131227	120	1.19479
Indeno(1,2,3-cd)pyrene	5	1.139434	10	1.154822	20	1.229532	50	1.375791	80	1.265644	120	1.331847
Dibenzo(a,h)anthracene	5	0.9407116	10	0.9655654	20	1.024617	50	1.191496	80	1.094383	120	1.157575

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L3101	Instrument:	GC/MS E
		Calibration Date:	12/8/2015 11:44:01AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Benzo[ghi]perylene	5	0.9842878	10	0.9624657	20	1.008112	50	1.096071	80	0.9795759	120	0.9852907
2-Fluorophenol	5	1.398929	10	1.449628	20	1.469413	50	1.630143	80	1.553181	120	1.587755
Phenol-d5	5	2.119871	10	2.170036	20	2.145153	50	2.376979	80	2.273034	120	2.321835
Nitrobenzene-d5	5	0.3787688	10	0.3998966	20	0.3975491	50	0.4281087	80	0.404179	120	0.4085052
2-Fluorobiphenyl	5	1.287942	10	1.281723	20	1.282045	50	1.375809	80	1.280685	120	1.402521
2,4,6-Tribromophenol	5	0.215628	10	0.2261293	20	0.243631	50	0.2598498	80	0.2501863	120	0.273346
Terphenyl-d14	5	0.7743981	10	0.7868737	20	0.7887995	50	0.8236989	80	0.7113199	120	0.7053893

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L3101	Instrument:	GC/MS E
		Calibration Date:	12/8/2015 11:44:01AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Pyridine	1.658207	5.186556		
N-Nitrosodimethylamine	1.387553	2.650753		
Benzaldehyde	0.2094257	10.18397		
Aniline	2.980879	4.154315		
Phenol	2.432909	3.950489	CCC (20)	
bis(2-chloroethyl)ether	2.131862	2.813595		
2-Chlorophenol	1.675159	5.434495		
1,3-Dichlorobenzene	1.607404	2.907		
1,4-Dichlorobenzene	1.682635	3.48689	CCC (20)	
Benzyl alcohol	1.594816	5.068137		
1,2-Dichlorobenzene	1.644875	5.039123		
2-Methylphenol	1.68611	7.417098		
bis(2-chloroisopropyl)ether	4.338	3.521445		
Acetophenone	2.172279	3.290552		
3 & 4-Methylphenol	1.88812	9.996159		
N-Nitroso-di-n-propylamine	1.692437	5.204103	SPCC (0.05)	
Hexachloroethane	0.7516572	11.06284		
Nitrobenzene	0.4581462	2.313149		
Isophorone	0.9707968	3.54282		
2-Nitrophenol	0.2153683	7.24883	CCC (20)	
2,4-Dimethylphenol	0.3598796	4.116802		
Benzoic acid	0.1560536	33.0324		
bis(2-chloroethoxy)methane	0.5535423	3.084191		
2,4-Dichlorophenol	0.2817506	6.932197	CCC (20)	
1,2,4-Trichlorobenzene	0.2831318	4.321808		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L3101	Instrument:	GC/MS E
		Calibration Date:	12/8/2015 11:44:01AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.06352	3.617123		
4-Chloroaniline	0.4823196	6.785465		
Hexachlorobutadiene	0.1518128	5.842394	CCC (20)	
Caprolactam	0.2542203	10.335		
4-Chloro-3-methylphenol	0.305606	4.027731	CCC (20)	
2-Methylnaphthylene	0.7045163	2.459787		
1,2,4,5-Tetrachlorobenzene	0.5941404	6.255619		
Hexachlorocyclopentadiene	0.3342358	14.96636	SPCC (0.05)	
2,4,6-Trichlorophenol	0.4147209	7.793669	CCC (20)	
2,4,5-Trichlorophenol	0.4336181	7.861681		
2-Chloronaphthalene	1.388646	9.067082		
1,1-Biphenyl	1.752773	7.091179		
2-Nitroaniline	0.512398	4.623245		
Dimethylphthalate	1.492234	4.315061		
Acenaphthylene	2.115083	5.087324		
3-Nitroaniline	0.5082873	6.021048		
Acenaphthene	1.314354	4.436869	CCC (20)	
2,4-Dinitrophenol	0.1693157	47.0455	SPCC (0.05)	
4-Nitrophenol	0.1399109	14.25964	SPCC (0.05)	
Dibenzofuran	1.760564	3.282351		
2,6-Dinitrotoluene	0.3760224	5.378757		
2,4-Dinitrotoluene	0.4687061	5.887402		
2,3,4,6-Tetrachlorophenol	0.3804751	7.270998		
Diethyl phthalate	1.581213	6.176164		
4-Chlorophenyl-phenylether	0.7110122	11.74623		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L3101	Instrument:	GC/MS E
		Calibration Date:	12/8/2015 11:44:01AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Fluorene	1.561176	11.5415		
4-Nitroaniline	0.4717339	5.504687		
4,6-Dinitro-2-methylphenol	0.1634181	30.83046		
Carbazole	1.11842	2.883975		
N-Nitrosodiphenylamine	0.7389522	11.02508	CCC (20)	
1,2-Diphenylhydrazine	1.276323	9.500392		
Azobenzene	1.27668	9.512935		
4-Bromophenyl-phenylether	0.2385679	6.598361		
Atrazine	0.2234126	2.907531		
Hexachlorobenzene	0.2703486	5.633917		
Pentachlorophenol	0.1764092	11.60545	CCC (20)	
Phenanthrene	1.170877	3.72115		
Anthracene	1.176165	4.199275		
Di-n-butyl phthalate	1.594589	3.477304		
Fluoranthene	1.241735	2.840818	CCC (20)	
Benzidine	0.4514539	14.6136		
Pyrene	1.126308	8.261972		
Butylbenzylphthalate	0.6656976	8.678608		
3,3'-Dichlorobenzidine	0.4444578	6.769861		
Benzo[a]anthracene	1.152232	5.396597		
bis(2-ethylhexyl)phthalate	0.933448	6.418901		
Chrysene	1.01589	5.518192		
Di-n-octyl phthalate	1.795917	3.128751	CCC (20)	
Benzo[b]fluoranthene	1.19805	6.033909		
Benzo[k]fluoranthene	1.125783	6.567704		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L3101	Instrument:	GC/MS E
		Calibration Date:	12/8/2015 11:44:01AM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Benzo[a]pyrene	1.141597	4.513651	CCC (20)	
Indeno(1,2,3-cd)pyrene	1.249512	7.547432		
Dibenzo(a,h)anthracene	1.062391	9.632255		
Benzo[ghi]perylene	1.002634	4.792182		
2-Fluorophenol	1.514842	5.892087		
Phenol-d5	2.234485	4.680523		
Nitrobenzene-d5	0.4028346	3.984961		
2-Fluorobiphenyl	1.318454	4.207825		
2,4,6-Tribromophenol	0.2447951	8.706718		
Terphenyl-d14	0.7650799	6.134423		

* Values outside of QC limits

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS E	Calibration:	15L3101
Lab File ID:	E9634.D	Calibration Date:	12/08/15 11:44
Sequence:	S5L2803	Injection Date:	12/28/15
Lab Sample ID:	S5L2803-CCV1	Injection Time:	14:20

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	42.3	1.658207	1.40287		-15.4	
N-Nitrosodimethylamine	A	50.0	40.9	1.387553	1.135157		-18.2	
Benzaldehyde	A	50.0	69.2	0.2094257	0.2896623		38.3	
Aniline	A	50.0	43.2	2.980879	2.577264		-13.5	
Phenol	A	50.0	45.2	2.432909	2.198049		-9.7	20
bis(2-chloroethyl)ether	A	50.0	44.8	2.131862	1.911839		-10.3	
2-Chlorophenol	A	50.0	46.1	1.675159	1.543161		-7.9	
1,3-Dichlorobenzene	A	50.0	46.8	1.607404	1.504686		-6.4	
1,4-Dichlorobenzene	A	50.0	46.4	1.682635	1.560892		-7.2	20
Benzyl alcohol	A	50.0	46.6	1.594816	1.487599		-6.7	
1,2-Dichlorobenzene	A	50.0	47.6	1.644875	1.567331		-4.7	
2-Methylphenol	A	50.0	47.9	1.68611	1.616027		-4.2	
bis(2-chloroisopropyl)ether	A	50.0	45.5	4.338	3.944131		-9.1	
Acetophenone	A	50.0	48.9	2.172279	2.122638		-2.3	
3 & 4-Methylphenol	A	50.0	50.3	1.88812	1.900927		0.7	
N-Nitroso-di-n-propylamine	A	50.0	48.4	1.692437	1.636605	0.05	-3.3	
Hexachloroethane	A	50.0	49.5	0.7516572	0.7444178		-1.0	
Nitrobenzene	A	50.0	47.0	0.4581462	0.4307463		-6.0	
Isophorone	A	50.0	45.7	0.9707968	0.8874079		-8.6	
2-Nitrophenol	A	50.0	48.9	0.2153683	0.2107874		-2.1	20
2,4-Dimethylphenol	A	50.0	47.1	0.3598796	0.3393051		-5.7	
Benzoic acid	L	50.0	41.5	0.1560536	0.1568631		0.5	
bis(2-chloroethoxy)methane	A	50.0	47.2	0.5535423	0.5222796		-5.6	

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS E	Calibration:	15L3101
Lab File ID:	E9634.D	Calibration Date:	12/08/15 11:44
Sequence:	S5L2803	Injection Date:	12/28/15
Lab Sample ID:	S5L2803-CCV1	Injection Time:	14:20

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	49.2	0.2817506	0.277398		-1.5	20
1,2,4-Trichlorobenzene	A	50.0	47.9	0.2831318	0.2713143		-4.2	
Naphthalene	A	50.0	46.6	1.06352	0.9918579		-6.7	
4-Chloroaniline	A	50.0	47.8	0.4823196	0.4606264		-4.5	
Hexachlorobutadiene	A	50.0	47.0	0.1518128	0.1428483		-5.9	20
Caprolactam	A	50.0	51.7	0.2542203	0.2628646		3.4	
4-Chloro-3-methylphenol	A	50.0	48.1	0.305606	0.2941783		-3.7	20
2-Methylnaphthylene	A	50.0	45.6	0.7045163	0.6427116		-8.8	
1,2,4,5-Tetrachlorobenzene	A	50.0	47.0	0.5941404	0.5586222		-6.0	
Hexachlorocyclopentadiene	L	50.0	40.6	0.3342358	0.271256	0.05	-18.8	
2,4,6-Trichlorophenol	A	50.0	45.4	0.4147209	0.3766617		-9.2	20
2,4,5-Trichlorophenol	A	50.0	46.2	0.4336181	0.4008528		-7.6	
2-Chloronaphthalene	A	50.0	44.8	1.388646	1.244981		-10.3	
1,1-Biphenyl	A	50.0	47.7	1.752773	1.673192		-4.5	
2-Nitroaniline	A	50.0	44.9	0.512398	0.4601329		-10.2	
Dimethylphthalate	A	50.0	45.2	1.492234	1.348201		-9.7	
Acenaphthylene	A	50.0	43.2	2.115083	1.825993		-13.7	
3-Nitroaniline	A	50.0	48.0	0.5082873	0.4878381		-4.0	
Acenaphthene	A	50.0	44.3	1.314354	1.163464		-11.5	20
2,4-Dinitrophenol	L	50.0	47.3	0.1693157	0.2134454	0.05	26.1	
4-Nitrophenol	A	50.0	48.8	0.1399109	0.1366174	0.05	-2.4	
Dibenzofuran	A	50.0	45.3	1.760564	1.595759		-9.4	
2,6-Dinitrotoluene	A	50.0	46.7	0.3760224	0.3514435		-6.5	

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS E	Calibration:	15L3101
Lab File ID:	E9634.D	Calibration Date:	12/08/15 11:44
Sequence:	S5L2803	Injection Date:	12/28/15
Lab Sample ID:	S5L2803-CCV1	Injection Time:	14:20

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrotoluene	A	50.0	48.4	0.4687061	0.4532867		-3.3	
2,3,4,6-Tetrachlorophenol	A	50.0	46.8	0.3804751	0.3558258		-6.5	
Diethyl phthalate	A	50.0	44.7	1.581213	1.414529		-10.5	
4-Chlorophenyl-phenylether	A	50.0	43.9	0.7110122	0.6248967		-12.1	
Fluorene	A	50.0	44.8	1.561176	1.400301		-10.3	
4-Nitroaniline	A	50.0	46.4	0.4717339	0.4379536		-7.2	
4,6-Dinitro-2-methylphenol	L	50.0	43.1	0.1634181	0.1709301		4.6	
Carbazole	A	50.0	45.7	1.11842	1.021367		-8.7	
N-Nitrosodiphenylamine	A	50.0	46.3	0.7389522	0.6840836		-7.4	20
1,2-Diphenylhydrazine	A	50.0	45.6	1.276323	1.163611		-8.8	
Azobenzene	A	50.0	45.6	1.27668	1.163611		-8.9	
4-Bromophenyl-phenylether	A	50.0	47.5	0.2385679	0.2267461		-5.0	
Atrazine	A	50.0	36.8	0.2234126	0.1644143		-26.4	
Hexachlorobenzene	A	50.0	47.2	0.2703486	0.2553898		-5.5	
Pentachlorophenol	A	50.0	44.9	0.1764092	0.1584236		-10.2	20
Phenanthrene	A	50.0	45.8	1.170877	1.071923		-8.5	
Anthracene	A	50.0	45.8	1.176165	1.077964		-8.3	
Di-n-butyl phthalate	A	50.0	43.6	1.594589	1.391685		-12.7	
Fluoranthene	A	50.0	44.8	1.241735	1.112223		-10.4	20
Benzidine	A	50.0	49.3	0.4514539	0.4449032		-1.5	
Pyrene	A	50.0	45.1	1.126308	1.016443		-9.8	
Butylbenzylphthalate	A	50.0	44.3	0.6656976	0.5892979		-11.5	
3,3'-Dichlorobenzidine	A	50.0	52.0	0.4444578	0.4621128		4.0	

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS E	Calibration:	15L3101
Lab File ID:	E9634.D	Calibration Date:	12/08/15 11:44
Sequence:	S5L2803	Injection Date:	12/28/15
Lab Sample ID:	S5L2803-CCV1	Injection Time:	14:20

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzo[a]anthracene	A	50.0	47.3	1.152232	1.090987		-5.3	
bis(2-ethylhexyl)phthalate	A	50.0	46.0	0.933448	0.8593468		-7.9	
Chrysene	A	50.0	49.1	1.01589	0.9967276		-1.9	
Di-n-octyl phthalate	A	50.0	44.2	1.795917	1.589225		-11.5	20
Benzo[b]fluoranthene	A	50.0	47.5	1.19805	1.137615		-5.0	
Benzo[k]fluoranthene	A	50.0	44.3	1.125783	0.9980277		-11.3	
Benzo[a]pyrene	A	50.0	45.9	1.141597	1.047543		-8.2	20
Indeno(1,2,3-cd)pyrene	A	50.0	45.6	1.249512	1.139359		-8.8	
Dibenzo(a,h)anthracene	A	50.0	47.2	1.062391	1.003003		-5.6	
Benzo[ghi]perylene	A	50.0	44.4	1.002634	0.8895268		-11.3	
2-Fluorophenol	A	50.0	49.0	1.514842	1.485789		-1.9	
Phenol-d5	A	50.0	48.5	2.234485	2.165847		-3.1	
Nitrobenzene-d5	A	50.0	50.6	0.4028346	0.4073358		1.1	
2-Fluorobiphenyl	A	50.0	46.7	1.318454	1.231535		-6.6	
2,4,6-Tribromophenol	A	50.0	53.6	0.2447951	0.2623038		7.2	
Terphenyl-d14	A	50.0	49.5	0.7650799	0.7579309		-0.9	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1228\E9634.D Vial: 25
Acq On : 28 Dec 2015 14:20 Operator: JMM
Sample : S5L2803-CCV1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 10:57 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.63	152	320304	40.00	ul/l	-0.15
21) Naphthalene-d8	13.87	136	1424146	40.00	ul/l	-0.16
37) Acenaphthene-d10	18.42	164	728932	40.00	ul/l	-0.17
61) Phenanthrene-d10	22.19	188	1218561	40.00	ul/l	-0.18
75) Chrysene-d12	29.03	240	1350692	40.00	ul/l	-0.18
84) Perylene-d12	32.44	264	1238986	40.00	ul/l	-0.18
System Monitoring Compounds						
4) 2-Fluorophenol	7.66	112	594880	49.04	ul/l	-0.13
Spiked Amount 120.000	Range 15 - 110		Recovery = 40.87%			
7) Phenol-d5	10.04	99	867162	48.46	ul/l	-0.12
Spiked Amount 120.000	Range 15 - 110		Recovery = 40.38%			
22) Nitrobenzene-d5	12.12	82	725132	50.56	ul/l	-0.15
Spiked Amount 100.000	Range 30 - 130		Recovery = 50.56%			
42) 2-Fluorobiphenyl	16.74	172	1122132	46.70	ul/l	-0.16
Spiked Amount 100.000	Range 15 - 110		Recovery = 46.70%			
60) 2,4,6-Tribromophenol	20.48	330	239002	53.58	ul/l	-0.17
Spiked Amount 120.000	Range 15 - 110		Recovery = 44.65%			
78) Terphenyl-d14	26.35	244	1279664	49.53	ul/l	-0.18
Spiked Amount 100.000	Range 30 - 130		Recovery = 49.53%			
Target Compounds						Qvalue
2) Pyridine	4.27	79	561681	42.30	ul/l	94
3) N-Nitrosodimethylamine	4.34	74	454494	40.90	ul/l	94
5) Benzaldehyde	9.57	77	115975	69.16	ul/l	92
6) Aniline	9.96	93	1031885	43.23	ul/l	93
8) Phenol	10.07	94	880055	45.17	ul/l	98
9) bis(2-Chloroethyl)ether	10.16	93	765462	44.84	ul/l	94
10) 2-Chlorophenol	10.21	128	617851	46.06	ul/l	95
11) 1,3-Dichlorobenzene	10.54	146	602446	46.80	ul/l	99
12) 1,4-Dichlorobenzene	10.68	146	624950	46.38	ul/l	99
13) Benzyl alcohol	11.12	79	595605	46.64	ul/l	91
14) 1,2-Dichlorobenzene	11.13	146	627528	47.64	ul/l	99
15) 2-Methylphenol	11.51	108	647025	47.92	ul/l	99
16) bis(2-chloroisopropyl)ethe	11.51	45	1579151	45.46	ul/l #	73
17) Acetophenone	11.77	105	849862	48.86	ul/l	94
18) 3&4-Methylphenol	11.89	108	761093	50.34	ul/l	98
19) N-Nitroso-di-n-propylamine	11.89	70	655264	48.35	ul/l	93
20) Hexachloroethane	11.89	117	298050	49.52	ul/l	94
23) Nitrobenzene	12.17	77	766807	47.01	ul/l	93
24) Isophorone	12.81	82	1579748	45.71	ul/l	98
25) 2-Nitrophenol	12.97	139	375240	48.94	ul/l	98
26) 2,4-Dimethylphenol	13.20	107	604025	47.14	ul/l	98
27) Benzoic Acid	13.75	122	279245m	41.47	ul/l	
28) bis(2-Chloroethoxy)methane	13.42	93	929753	47.18	ul/l	99
29) 2,4-Dichlorophenol	13.61	162	493819	49.23	ul/l	99
30) 1,2,4-Trichlorobenzene	13.78	180	482989	47.91	ul/l	99
31) Naphthalene	13.92	128	1765688	46.63	ul/l	98
32) 4-Chloroaniline	14.16	127	819999	47.75	ul/l	100
33) Hexachlorobutadiene	14.42	225	254296	47.05	ul/l #	60
34) Caprolactam	15.21	55	467947m	51.70	ul/l	
35) 4-Chloro-3-methylphenol	15.52	107	523691	48.13	ul/l	100
36) 2-Methylnaphthalene	15.70	142	1144144	45.61	ul/l	94
38) 1,2,4,5-tetrachlorobenzene	16.24	216	508997	47.01	ul/l	98
39) Hexachlorocyclopentadiene	16.30	237	247159	40.58	ul/l	97
40) 2,4,6-Trichlorophenol	16.54	196	343201	45.41	ul/l	98
41) 2,4,5-Trichlorophenol	16.65	196	365243	46.22	ul/l	99
43) 1,1'-Biphenyl	16.94	154	1524554	47.73	ul/l	96
44) 2-Chloronaphthalene	16.94	162	1134383	44.83	ul/l	98
45) 2-Nitroaniline	17.33	65	419257	44.90	ul/l	92
46) Dimethylphthalate	17.95	163	1228434	45.17	ul/l	99
47) Acenaphthylene	18.02	152	1663781	43.17	ul/l	99
48) 3-Nitroaniline	18.43	138	444501	47.99	ul/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1228\E9634.D Vial: 25
Acq On : 28 Dec 2015 14:20 Operator: JMM
Sample : S5L2803-CCV1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 10:57 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

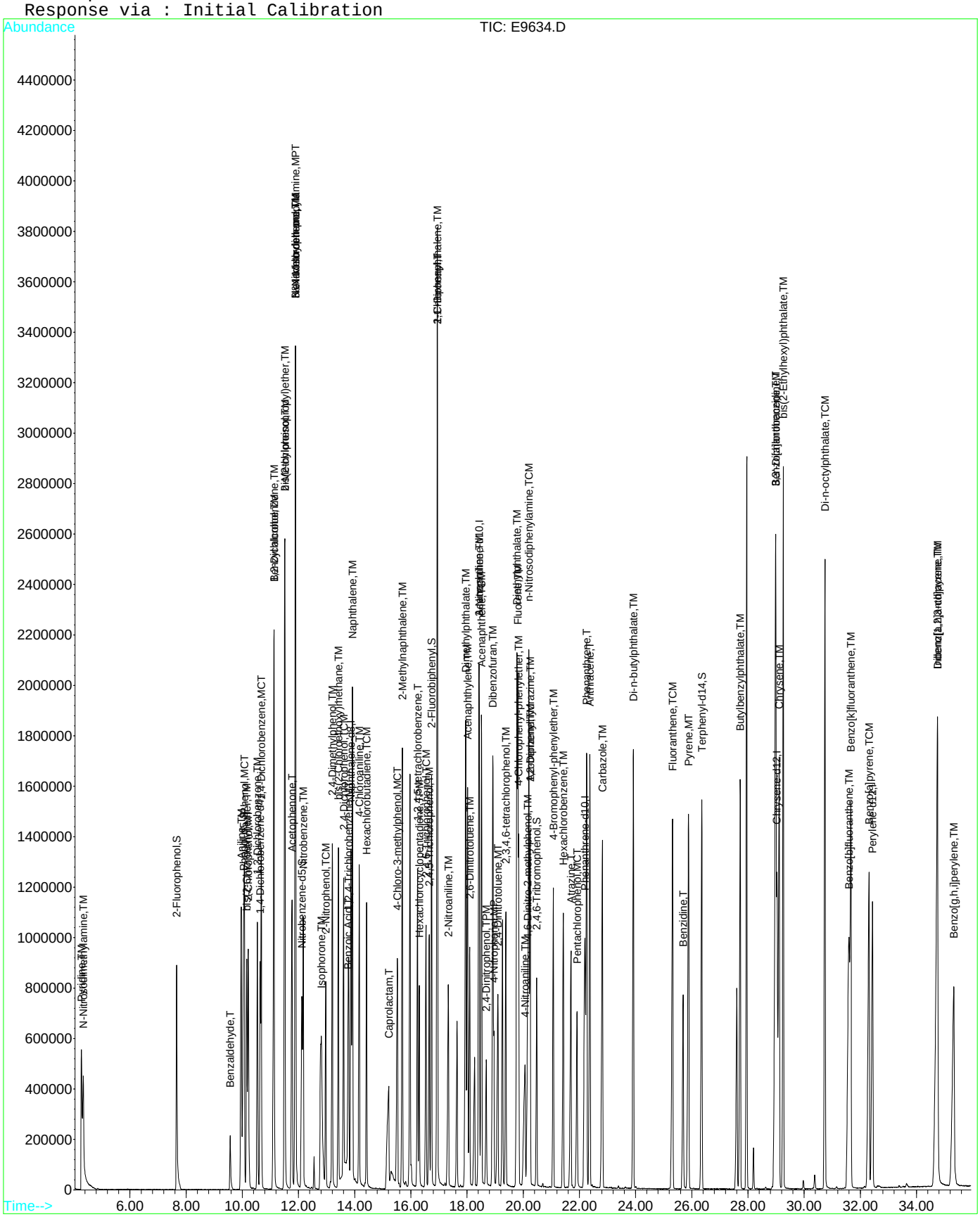
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	Acenaphthene	18.51	153	1060108	44.26	ul/l		99
50)	2,4-Dinitrophenol	18.68	184	194484	47.28	ul/l		95
51)	4-Nitrophenol	18.96	109	124481	48.82	ul/l	#	1
52)	Dibenzofuran	18.92	168	1454000	45.32	ul/l	#	59
53)	2,6-Dinitrotoluene	18.10	165	320223	46.73	ul/l		99
54)	2,4-Dinitrotoluene	19.10	165	413019	48.36	ul/l		99
55)	2,3,4,6-tetrachlorophenol	19.38	232	324216	46.76	ul/l		97
56)	Diethylphthalate	19.77	149	1288869	44.73	ul/l		99
57)	4-Chlorophenyl-phenylether	19.84	204	569384	43.94	ul/l		95
58)	Fluorene	19.80	166	1275905	44.85	ul/l		97
59)	4-Nitroaniline	20.06	138	399048	46.42	ul/l		98
62)	4,6-Dinitro-2-methylphenol	20.15	198	260361	43.13	ul/l		98
63)	Carbazole	22.82	167	1555748	45.66	ul/l		100
64)	n-Nitrosodiphenylamine	20.20	169	1041997	46.29	ul/l		98
65)	1,2-Diphenylhydrazine	20.24	77	1772413	45.58	ul/l		84
66)	Azobenzene	20.24	77	1772413	45.57	ul/l		84
67)	4-Bromophenyl-phenylether	21.07	248	345380	47.52	ul/l		96
68)	Hexachlorobenzene	21.43	284	389010	47.23	ul/l	#	70
69)	Atrazine	21.70	58	250436	36.80	ul/l		95
70)	Pentachlorophenol	21.91	266	241311	44.90	ul/l		98
71)	Phenanthrene	22.26	178	1632755	45.77	ul/l		99
72)	Anthracene	22.37	178	1641956	45.83	ul/l		99
73)	Di-n-butylphthalate	23.92	149	2119817	43.64	ul/l		100
74)	Fluoranthene	25.32	202	1694140	44.79	ul/l		97
76)	Benzidine	25.69	184	751159	49.27	ul/l		99
77)	Pyrene	25.88	202	1716126	45.12	ul/l		96
79)	Butylbenzylphthalate	27.72	149	994950	44.26	ul/l		96
80)	3,3'-Dichlorobenzidine	28.99	252	780215	51.99	ul/l		99
81)	Benzo[a]anthracene	28.98	228	1841984	47.34	ul/l		98
82)	bis(2-Ethylhexyl)phthalate	29.26	149	1450891	46.03	ul/l		98
83)	Chrysene	29.11	228	1682840	49.06	ul/l		98
85)	Di-n-octylphthalate	30.74	149	2461284	44.25	ul/l		98
86)	Benzo[b]fluoranthene	31.60	252	1761861	47.48	ul/l		94
87)	Benzo[k]fluoranthene	31.66	252	1545678m	44.33	ul/l		
88)	Benzo[a]pyrene	32.31	252	1622364	45.88	ul/l		93
89)	Indeno[1,2,3-cd]pyrene	34.74	276	1764562	45.59	ul/l		76
90)	Dibenz[a,h]anthracene	34.75	278	1553383	47.20	ul/l		91
91)	Benzo[g,h,i]perylene	35.33	276	1377639	44.36	ul/l		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1228\E9634.D Vial: 25
Acq On : 28 Dec 2015 14:20 Operator: JMM
Sample : S5L2803-CCV1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 10:57 2016 Quant Results File: SVE81208.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS E	Calibration:	15L3101
Lab File ID:	E9651.D	Calibration Date:	12/08/15 11:44
Sequence:	S5L2909	Injection Date:	12/29/15
Lab Sample ID:	S5L2909-CCV1	Injection Time:	10:13

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	40.9	1.658207	1.356062		-18.2	
N-Nitrosodimethylamine	A	50.0	40.3	1.387553	1.119349		-19.3	
Benzaldehyde	A	50.0	51.6	0.2094257	0.2161648		3.2	
Aniline	A	50.0	40.7	2.980879	2.425922		-18.6	
Phenol	A	50.0	41.5	2.432909	2.021254		-16.9	20
bis(2-chloroethyl)ether	A	50.0	41.7	2.131862	1.778153		-16.6	
2-Chlorophenol	A	50.0	43.0	1.675159	1.442171		-13.9	
1,3-Dichlorobenzene	A	50.0	44.4	1.607404	1.42849		-11.1	
1,4-Dichlorobenzene	A	50.0	44.9	1.682635	1.5119		-10.1	20
Benzyl alcohol	A	50.0	42.5	1.594816	1.356661		-14.9	
1,2-Dichlorobenzene	A	50.0	45.3	1.644875	1.489161		-9.5	
2-Methylphenol	A	50.0	43.9	1.68611	1.481407		-12.1	
bis(2-chloroisopropyl)ether	A	50.0	41.8	4.338	3.629564		-16.3	
Acetophenone	A	50.0	45.8	2.172279	1.988177		-8.5	
3 & 4-Methylphenol	A	50.0	45.6	1.88812	1.723929		-8.7	
N-Nitroso-di-n-propylamine	A	50.0	44.2	1.692437	1.49582	0.05	-11.6	
Hexachloroethane	A	50.0	46.5	0.7516572	0.6991696		-7.0	
Nitrobenzene	A	50.0	44.6	0.4581462	0.4086		-10.8	
Isophorone	A	50.0	43.7	0.9707968	0.8483336		-12.6	
2-Nitrophenol	A	50.0	46.9	0.2153683	0.2020213		-6.2	20
2,4-Dimethylphenol	A	50.0	44.9	0.3598796	0.3233949		-10.1	
Benzoic acid	L	50.0	38.1	0.1560536	0.142132		-8.9	
bis(2-chloroethoxy)methane	A	50.0	44.4	0.5535423	0.4920061		-11.1	

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS E	Calibration:	15L3101
Lab File ID:	E9651.D	Calibration Date:	12/08/15 11:44
Sequence:	S5L2909	Injection Date:	12/29/15
Lab Sample ID:	S5L2909-CCV1	Injection Time:	10:13

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	46.0	0.2817506	0.2591335		-8.0	20
1,2,4-Trichlorobenzene	A	50.0	46.2	0.2831318	0.2614141		-7.7	
Naphthalene	A	50.0	44.2	1.06352	0.9402678		-11.6	
4-Chloroaniline	A	50.0	45.1	0.4823196	0.434766		-9.9	
Hexachlorobutadiene	A	50.0	45.4	0.1518128	0.1379334		-9.1	20
Caprolactam	A	50.0	46.9	0.2542203	0.2384881		-6.2	
4-Chloro-3-methylphenol	A	50.0	43.7	0.305606	0.2672935		-12.5	20
2-Methylnaphthylene	A	50.0	42.5	0.7045163	0.5991426		-15.0	
1,2,4,5-Tetrachlorobenzene	A	50.0	45.6	0.5941404	0.5423934		-8.7	
Hexachlorocyclopentadiene	L	50.0	41.5	0.3342358	0.2774337	0.05	-17.0	
2,4,6-Trichlorophenol	A	50.0	43.2	0.4147209	0.3587543		-13.5	20
2,4,5-Trichlorophenol	A	50.0	42.3	0.4336181	0.366944		-15.4	
2-Chloronaphthalene	A	50.0	43.1	1.388646	1.196584		-13.8	
1,1-Biphenyl	A	50.0	46.1	1.752773	1.617576		-7.7	
2-Nitroaniline	A	50.0	42.3	0.512398	0.4332594		-15.4	
Dimethylphthalate	A	50.0	42.2	1.492234	1.260999		-15.5	
Acenaphthylene	A	50.0	41.3	2.115083	1.745326		-17.5	
3-Nitroaniline	A	50.0	44.7	0.5082873	0.4542032		-10.6	
Acenaphthene	A	50.0	41.0	1.314354	1.07803		-18.0	20
2,4-Dinitrophenol	L	50.0	43.3	0.1693157	0.192522	0.05	13.7	
4-Nitrophenol	A	50.0	45.6	0.1399109	0.1276855	0.05	-8.7	
Dibenzofuran	A	50.0	42.7	1.760564	1.504475		-14.5	
2,6-Dinitrotoluene	A	50.0	42.1	0.3760224	0.3166031		-15.8	

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CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS E	Calibration:	15L3101
Lab File ID:	E9651.D	Calibration Date:	12/08/15 11:44
Sequence:	S5L2909	Injection Date:	12/29/15
Lab Sample ID:	S5L2909-CCV1	Injection Time:	10:13

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrotoluene	A	50.0	43.8	0.4687061	0.4107443		-12.4	
2,3,4,6-Tetrachlorophenol	A	50.0	43.6	0.3804751	0.3314537		-12.9	
Diethyl phthalate	A	50.0	40.6	1.581213	1.284354		-18.8	
4-Chlorophenyl-phenylether	A	50.0	41.0	0.7110122	0.5833573		-18.0	
Fluorene	A	50.0	40.7	1.561176	1.270108		-18.6	
4-Nitroaniline	A	50.0	42.3	0.4717339	0.3991972		-15.4	
4,6-Dinitro-2-methylphenol	L	50.0	40.5	0.1634181	0.1586597		-2.9	
Carbazole	A	50.0	42.6	1.11842	0.951694		-14.9	
N-Nitrosodiphenylamine	A	50.0	43.3	0.7389522	0.6405175		-13.3	20
1,2-Diphenylhydrazine	A	50.0	43.4	1.276323	1.107012		-13.3	
Azobenzene	A	50.0	43.4	1.27668	1.107012		-13.3	
4-Bromophenyl-phenylether	A	50.0	44.6	0.2385679	0.2130555		-10.7	
Atrazine	A	50.0	42.2	0.2234126	0.1885966		-15.6	
Hexachlorobenzene	A	50.0	44.2	0.2703486	0.2387612		-11.7	
Pentachlorophenol	A	50.0	40.8	0.1764092	0.1439431		-18.4	20
Phenanthrene	A	50.0	42.8	1.170877	1.003108		-14.3	
Anthracene	A	50.0	42.5	1.176165	0.9990416		-15.1	
Di-n-butyl phthalate	A	50.0	40.1	1.594589	1.278383		-19.8	
Fluoranthene	A	50.0	40.7	1.241735	1.011153		-18.6	20
Benzidine	A	50.0	47.9	0.4514539	0.4324862		-4.2	
Pyrene	A	50.0	44.5	1.126308	1.003114		-10.9	
Butylbenzylphthalate	A	50.0	41.9	0.6656976	0.5576993		-16.2	
3,3'-Dichlorobenzidine	A	50.0	47.7	0.4444578	0.4241725		-4.6	

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS E	Calibration:	15L3101
Lab File ID:	E9651.D	Calibration Date:	12/08/15 11:44
Sequence:	S5L2909	Injection Date:	12/29/15
Lab Sample ID:	S5L2909-CCV1	Injection Time:	10:13

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Benzo[a]anthracene	A	50.0	45.5	1.152232	1.047943		-9.1	
bis(2-ethylhexyl)phthalate	A	50.0	43.4	0.933448	0.8098264		-13.2	
Chrysene	A	50.0	46.6	1.01589	0.9473436		-6.7	
Di-n-octyl phthalate	A	50.0	42.3	1.795917	1.517917		-15.5	20
Benzo[b]fluoranthene	A	50.0	44.8	1.19805	1.074393		-10.3	
Benzo[k]fluoranthene	A	50.0	44.2	1.125783	0.9941868		-11.7	
Benzo[a]pyrene	A	50.0	44.5	1.141597	1.016345		-11.0	20
Indeno(1,2,3-cd)pyrene	A	50.0	45.7	1.249512	1.142688		-8.5	
Dibenzo(a,h)anthracene	A	50.0	47.2	1.062391	1.001885		-5.7	
Benzo[ghi]perylene	A	50.0	45.4	1.002634	0.9109002		-9.1	
2-Fluorophenol	A	50.0	48.3	1.514842	1.463715		-3.4	
Phenol-d5	A	50.0	45.9	2.234485	2.05087		-8.2	
Nitrobenzene-d5	A	50.0	48.7	0.4028346	0.3925844		-2.5	
2-Fluorobiphenyl	A	50.0	44.9	1.318454	1.182914		-10.3	
2,4,6-Tribromophenol	A	50.0	49.8	0.2447951	0.2436641		-0.5	
Terphenyl-d14	A	50.0	48.4	0.7650799	0.7398834		-3.3	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9651.D Vial: 25
Acq On : 29 Dec 2015 10:13 Operator: JMM
Sample : S5L2909-CCV1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 11:01 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.67	152	369444	40.00	ul/l	-0.12
21) Naphthalene-d8	13.90	136	1558236	40.00	ul/l	-0.12
37) Acenaphthene-d10	18.46	164	770825	40.00	ul/l	-0.13
61) Phenanthrene-d10	22.23	188	1251272	40.00	ul/l	-0.14
75) Chrysene-d12	29.08	240	1283080	40.00	ul/l	-0.14
84) Perylene-d12	32.48	264	1155605	40.00	ul/l	-0.14
System Monitoring Compounds						
4) 2-Fluorophenol	7.69	112	675951	48.31	ul/l	-0.09
Spiked Amount 120.000	Range 15 - 110		Recovery = 40.26%			
7) Phenol-d5	10.08	99	947102	45.89	ul/l	-0.08
Spiked Amount 120.000	Range 15 - 110		Recovery = 38.24%			
22) Nitrobenzene-d5	12.16	82	764674	48.73	ul/l	-0.11
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.73%			
42) 2-Fluorobiphenyl	16.77	172	1139775	44.86	ul/l	-0.13
Spiked Amount 100.000	Range 15 - 110		Recovery = 44.86%			
60) 2,4,6-Tribromophenol	20.52	330	234778	49.77	ul/l	-0.13
Spiked Amount 120.000	Range 15 - 110		Recovery = 41.48%			
78) Terphenyl-d14	26.39	244	1186662	48.35	ul/l	-0.14
Spiked Amount 100.000	Range 30 - 130		Recovery = 48.35%			
Target Compounds						Qvalue
2) Pyridine	4.31	79	626236	40.89	ul/l	95
3) N-Nitrosodimethylamine	4.39	74	516921m	40.34	ul/l	
5) Benzaldehyde	9.60	77	99826	51.61	ul/l	92
6) Aniline	10.00	93	1120303	40.69	ul/l	93
8) Phenol	10.11	94	933425	41.54	ul/l	97
9) bis(2-Chloroethyl)ether	10.19	93	821160	41.70	ul/l	93
10) 2-Chlorophenol	10.24	128	666002	43.05	ul/l	93
11) 1,3-Dichlorobenzene	10.57	146	659684	44.43	ul/l	99
12) 1,4-Dichlorobenzene	10.71	146	698203	44.93	ul/l	100
13) Benzyl alcohol	11.16	79	626513	42.53	ul/l	92
14) 1,2-Dichlorobenzene	11.16	146	687702	45.27	ul/l	98
15) 2-Methylphenol	11.55	108	684121	43.93	ul/l	99
16) bis(2-chloroisopropyl)ethe	11.54	45	1676151	41.83	ul/l #	73
17) Acetophenone	11.80	105	918150	45.76	ul/l	93
18) 3&4-Methylphenol	11.93	108	796119	45.65	ul/l	98
19) N-Nitroso-di-n-propylamine	11.93	70	690777	44.19	ul/l	93
20) Hexachloroethane	11.92	117	322880	46.51	ul/l	94
23) Nitrobenzene	12.21	77	795869	44.59	ul/l	94
24) Isophorone	12.84	82	1652380	43.69	ul/l	99
25) 2-Nitrophenol	13.01	139	393496	46.90	ul/l	97
26) 2,4-Dimethylphenol	13.24	107	629907	44.93	ul/l	98
27) Benzoic Acid	13.76	122	276844m	38.12	ul/l	
28) bis(2-Chloroethoxy)methane	13.45	93	958327	44.44	ul/l	99
29) 2,4-Dichlorophenol	13.64	162	504739	45.99	ul/l	98
30) 1,2,4-Trichlorobenzene	13.81	180	509181	46.16	ul/l	98
31) Naphthalene	13.95	128	1831449	44.21	ul/l	98
32) 4-Chloroaniline	14.20	127	846835	45.07	ul/l	99
33) Hexachlorobutadiene	14.46	225	268666	45.43	ul/l #	60
34) Caprolactam	15.25	55	464526m	46.91	ul/l	
35) 4-Chloro-3-methylphenol	15.55	107	520633	43.73	ul/l	99
36) 2-Methylnaphthalene	15.73	142	1167007	42.52	ul/l	93
38) 1,2,4,5-tetrachlorobenzene	16.27	216	522613	45.65	ul/l	98
39) Hexachlorocyclopentadiene	16.33	237	267316	41.50	ul/l	97
40) 2,4,6-Trichlorophenol	16.57	196	345671	43.25	ul/l	97
41) 2,4,5-Trichlorophenol	16.69	196	353562	42.31	ul/l	99
43) 1,1'-Biphenyl	16.98	154	1558585	46.14	ul/l	96
44) 2-Chloronaphthalene	16.98	162	1152946	43.08	ul/l	98
45) 2-Nitroaniline	17.37	65	417459	42.28	ul/l	92
46) Dimethylphthalate	17.98	163	1215012	42.25	ul/l	99
47) Acenaphthylene	18.06	152	1681676	41.26	ul/l	98
48) 3-Nitroaniline	18.47	138	437639	44.68	ul/l	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1229\E9651.D Vial: 25
Acq On : 29 Dec 2015 10:13 Operator: JMM
Sample : S5L2909-CCV1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 11:01 2016 Quant Results File: SVE81208.RES

Quant Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Wed Jan 06 09:13:41 2016
Response via : Initial Calibration
DataAcq Meth : SVE81208

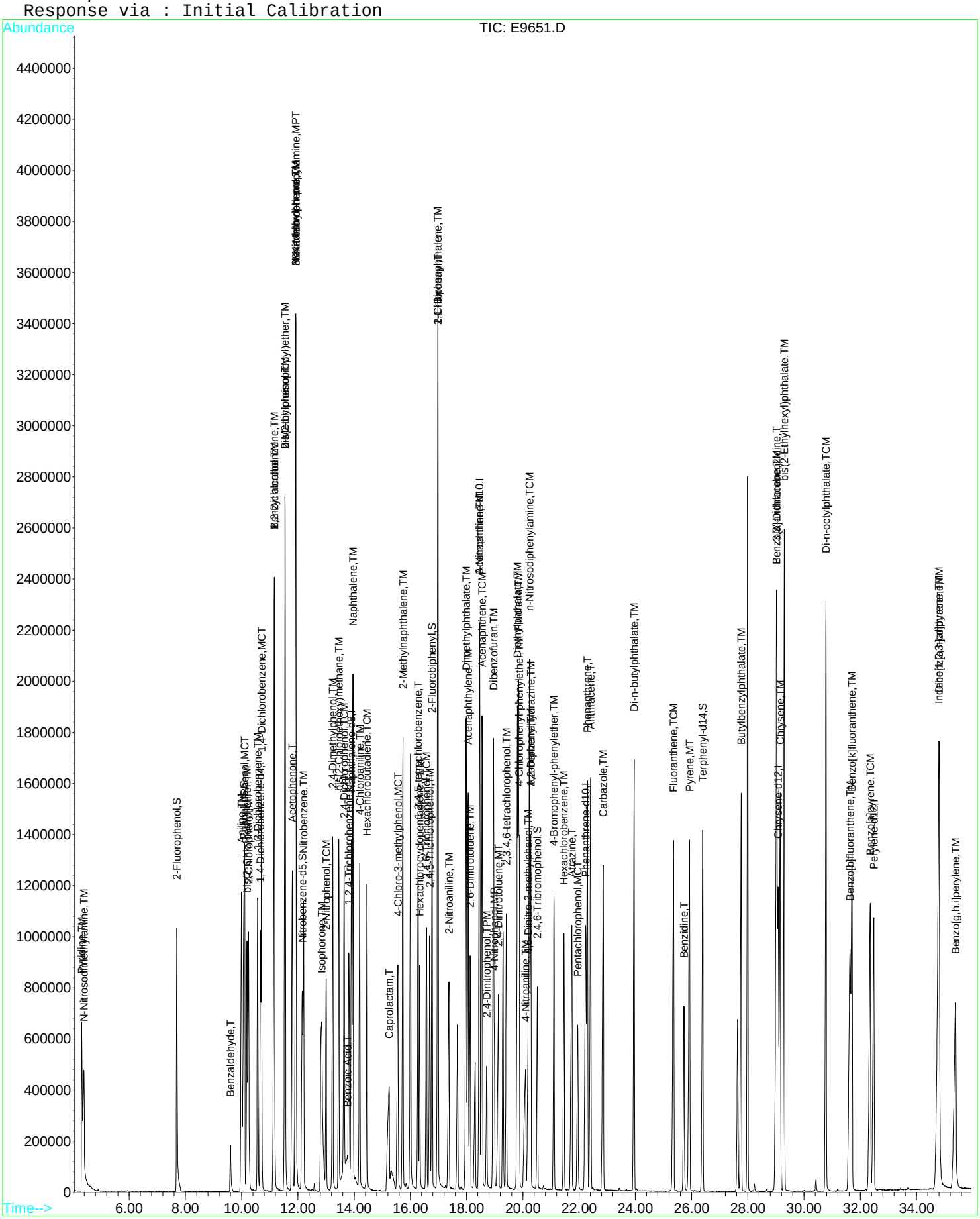
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49) Acenaphthene	18.55	153	1038716	41.01	ul/l		98
50) 2,4-Dinitrophenol	18.71	184	185501	43.32	ul/l		93
51) 4-Nitrophenol	18.99	109	123029	45.63	ul/l	#	1
52) Dibenzofuran	18.96	168	1449609	42.73	ul/l	#	59
53) 2,6-Dinitrotoluene	18.13	165	305057	42.10	ul/l		98
54) 2,4-Dinitrotoluene	19.13	165	395765	43.82	ul/l		98
55) 2,3,4,6-tetrachlorophenol	19.41	232	319366	43.56	ul/l		96
56) Diethylphthalate	19.81	149	1237515	40.61	ul/l		99
57) 4-Chlorophenyl-phenylether	19.87	204	562083	41.02	ul/l		93
58) Fluorene	19.84	166	1223789	40.68	ul/l		98
59) 4-Nitroaniline	20.10	138	384639	42.31	ul/l		97
62) 4,6-Dinitro-2-methylphenol	20.19	198	248158	40.49	ul/l		97
63) Carbazole	22.86	167	1488535	42.55	ul/l		100
64) n-Nitrosodiphenylamine	20.23	169	1001827	43.34	ul/l		98
65) 1,2-Diphenylhydrazine	20.28	77	1731466	43.37	ul/l		85
66) Azobenzene	20.28	77	1731466	43.36	ul/l		85
67) 4-Bromophenyl-phenylether	21.11	248	333238	44.65	ul/l		96
68) Hexachlorobenzene	21.47	284	373444	44.16	ul/l	#	70
69) Atrazine	21.74	58	294982	42.21	ul/l		95
70) Pentachlorophenol	21.95	266	225140	40.80	ul/l		98
71) Phenanthrene	22.30	178	1568951	42.84	ul/l		99
72) Anthracene	22.41	178	1562591	42.47	ul/l		99
73) Di-n-butylphthalate	23.96	149	1999506	40.09	ul/l		100
74) Fluoranthene	25.36	202	1581534	40.72	ul/l		97
76) Benzidine	25.73	184	693643	47.90	ul/l		99
77) Pyrene	25.92	202	1608844	44.53	ul/l		96
79) Butylbenzylphthalate	27.76	149	894466	41.89	ul/l		94
80) 3,3'-Dichlorobenzidine	29.03	252	680309	47.72	ul/l		99
81) Benzo[a]anthracene	29.01	228	1680744	45.47	ul/l		98
82) bis(2-Ethylhexyl)phthalate	29.30	149	1298840	43.38	ul/l		98
83) Chrysene	29.15	228	1519397	46.63	ul/l		98
85) Di-n-octylphthalate	30.78	149	2192640	42.26	ul/l		98
86) Benzo[b]fluoranthene	31.63	252	1551968	44.84	ul/l		94
87) Benzo[k]fluoranthene	31.70	252	1436109m	44.16	ul/l		
88) Benzo[a]pyrene	32.35	252	1468116	44.51	ul/l		93
89) Indeno[1,2,3-cd]pyrene	34.79	276	1650620	45.73	ul/l		76
90) Dibenz[a,h]anthracene	34.80	278	1447229	47.15	ul/l		92
91) Benzo[g,h,i]perylene	35.39	276	1315801	45.43	ul/l		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1229\E9651.D Vial: 25
Acq On : 29 Dec 2015 10:13 Operator: JMM
Sample : S5L2909-CCV1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 11:01 2016 Quant Results File: SVE81208.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



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SEMIVOLATILES

RAW DATA

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9454.D Vial: 2
Acq On : 8 Dec 2015 12:37 Operator: JMM
Sample : S5L0816-CAL1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 5 17:11 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.77	152	314189	40.00	ul/l	-0.01
21) Naphthalene-d8	14.01	136	1372679	40.00	ul/l	-0.01
37) Acenaphthene-d10	18.57	164	634389	40.00	ul/l	-0.02
61) Phenanthrene-d10	22.35	188	1104975	40.00	ul/l	-0.01
75) Chrysene-d12	29.19	240	1160509	40.00	ul/l	-0.02
84) Perylene-d12	32.60	264	1125752	40.00	ul/l	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	7.77	112	54941	4.73	ul/l	-0.01
Spiked Amount 120.000	Range 15 - 110		Recovery =	3.94%#		
7) Phenol-d5	10.11	99	83255	5.08	ul/l	-0.04
Spiked Amount 120.000	Range 15 - 110		Recovery =	4.23%#		
22) Nitrobenzene-d5	12.24	82	64991	5.08	ul/l	-0.03
Spiked Amount 100.000	Range 30 - 130		Recovery =	5.08%#		
42) 2-Fluorobiphenyl	16.87	172	102132	4.78	ul/l	-0.04
Spiked Amount 100.000	Range 15 - 110		Recovery =	4.78%#		
60) 2,4,6-Tribromophenol	20.61	330	17099	3.17	ul/l	-0.04
Spiked Amount 120.000	Range 15 - 110		Recovery =	2.64%#		
78) Terphenyl-d14	26.51	244	112337	4.98	ul/l	-0.03
Spiked Amount 100.000	Range 30 - 130		Recovery =	4.98%#		
Target Compounds						Qvalue
2) Pyridine	4.44	79	60448	4.62	ul/l	98
3) N-Nitrosodimethylamine	4.47	74	54286	5.71	ul/l	95
5) Benzaldehyde	9.72	77	8976	4.30	ul/l	90
6) Aniline	10.08	93	117907	5.61	ul/l	96
8) Phenol	10.13	94	91660	5.29	ul/l	95
9) bis(2-Chloroethyl)ether	10.28	93	83194	5.49	ul/l	93
10) 2-Chlorophenol	10.33	128	61615	5.10	ul/l	92
11) 1,3-Dichlorobenzene	10.68	146	60711	5.07	ul/l	100
12) 1,4-Dichlorobenzene	10.81	146	63588	5.12	ul/l	99
13) Benzyl alcohol	11.22	79	57621	5.21	ul/l	86
14) 1,2-Dichlorobenzene	11.27	146	60953	4.98	ul/l	98
15) 2-Methylphenol	11.60	108	59602	4.93	ul/l	95
16) bis(2-chloroisopropyl)ethe	11.65	45	170468	7.86	ul/l	89
17) Acetophenone	11.87	105	83771	4.53	ul/l	92
18) 3&4-Methylphenol	11.97	108	65240	4.88	ul/l	98
19) N-Nitroso-di-n-propylamine	11.98	70	63487	5.82	ul/l	87
20) Hexachloroethane	12.04	117	25182	4.86	ul/l	96
23) Nitrobenzene	12.28	77	78031	5.50	ul/l	90
24) Isophorone	12.88	82	164206	5.38	ul/l	98
25) 2-Nitrophenol	13.10	139	32547	4.61	ul/l	91
26) 2,4-Dimethylphenol	13.29	107	57974	4.76	ul/l	98
27) Benzoic Acid	13.61	122	14022m	2.11	ul/l	
28) bis(2-Chloroethoxy)methane	13.54	93	94175	5.29	ul/l	97
29) 2,4-Dichlorophenol	13.70	162	44438	4.39	ul/l	95
30) 1,2,4-Trichlorobenzene	13.92	180	46023	4.44	ul/l	99
31) Naphthalene	14.05	128	179892	5.11	ul/l	99
32) 4-Chloroaniline	14.29	127	72136	4.57	ul/l	99
33) Hexachlorobutadiene	14.57	225	23897	4.01	ul/l #	56
34) Caprolactam	15.06	55	46008	5.22	ul/l #	76
35) 4-Chloro-3-methylphenol	15.59	107	49021	4.54	ul/l	99
36) 2-Methylnaphthalene	15.83	142	117068	4.89	ul/l	97
38) 1,2,4,5-tetrachlorobenzene	16.38	216	43882	3.74	ul/l	98
39) Hexachlorocyclopentadiene	16.46	237	21238	8.11	ul/l	91
40) 2,4,6-Trichlorophenol	16.66	196	30178	4.44	ul/l	97
41) 2,4,5-Trichlorophenol	16.75	196	31278	4.31	ul/l	97
43) 1,1'-Biphenyl	17.08	154	127681	4.25	ul/l	94
44) 2-Chloronaphthalene	17.07	162	100440	4.81	ul/l	97
45) 2-Nitroaniline	17.45	65	38331	5.55	ul/l	88
46) Dimethylphthalate	18.05	163	115590	4.78	ul/l	99
47) Acenaphthylene	18.15	152	161843	4.92	ul/l	98
48) 3-Nitroaniline	18.52	138	37152	5.22	ul/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9454.D Vial: 2
Acq On : 8 Dec 2015 12:37 Operator: JMM
Sample : S5L0816-CAL1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 5 17:11 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

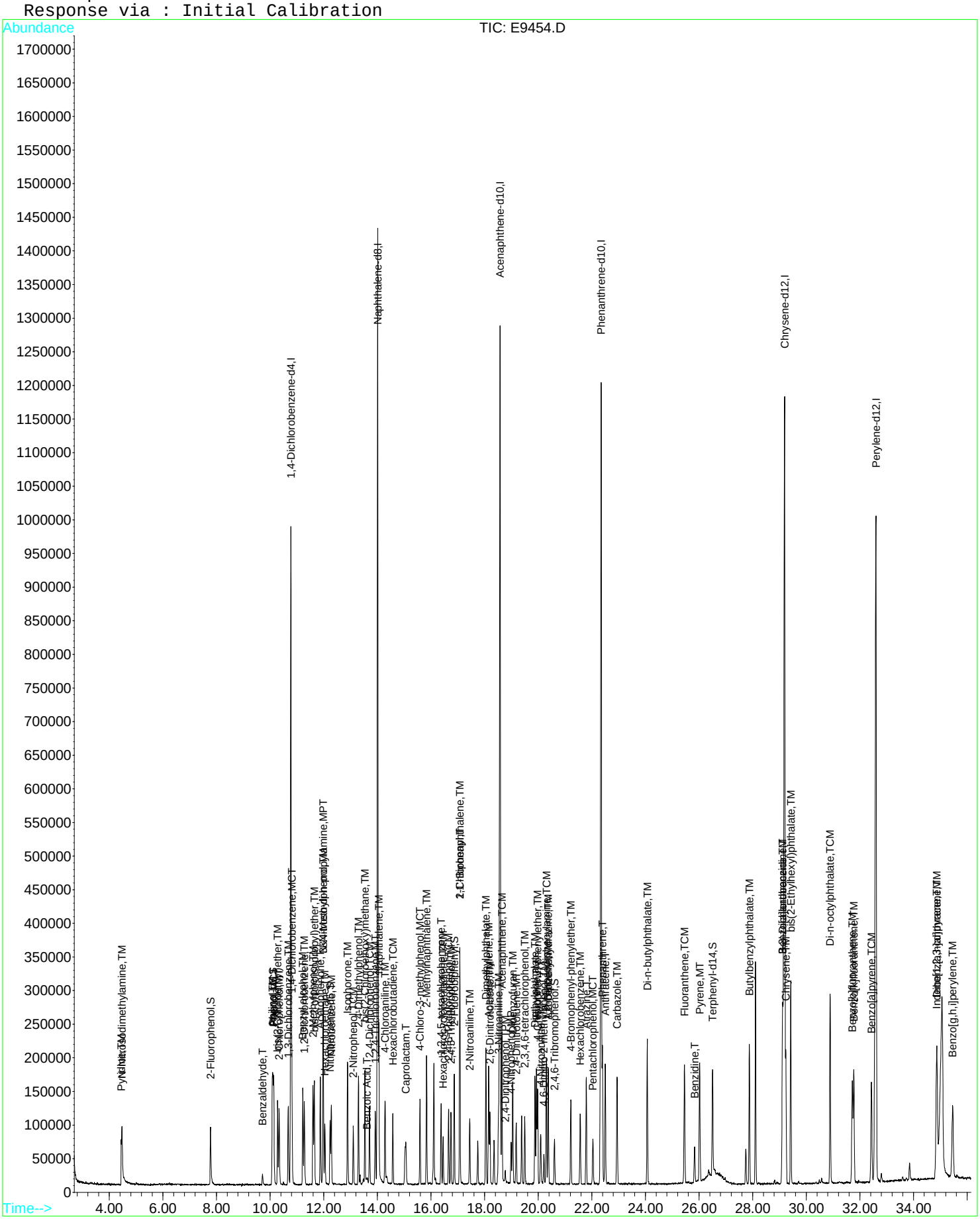
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	Acenaphthene	18.65	153	100366	5.12	ul/l		100
50)	2,4-Dinitrophenol	18.77	184	4143	7.82	ul/l	#	58
51)	4-Nitrophenol	18.99	109	8789	3.80	ul/l		88
52)	Dibenzofuran	19.05	168	134570	4.76	ul/l		98
53)	2,6-Dinitrotoluene	18.20	165	27658	4.86	ul/l		92
54)	2,4-Dinitrotoluene	19.18	165	33556	4.57	ul/l		89
55)	2,3,4,6-tetrachlorophenol	19.50	232	27633	4.25	ul/l		97
56)	Diethylphthalate	19.88	149	117880	4.80	ul/l		98
57)	4-Chlorophenyl-phenylether	19.98	204	49795	4.34	ul/l		96
58)	Fluorene	19.94	166	110667	4.49	ul/l		98
59)	4-Nitroaniline	20.09	138	33869	5.34	ul/l		97
62)	4,6-Dinitro-2-methylphenol	20.21	198	13025	3.67	ul/l		94
63)	Carbazole	22.94	167	151087	5.31	ul/l		100
64)	n-Nitrosodiphenylamine	20.30	169	92956	4.85	ul/l		98
65)	1,2-Diphenylhydrazine	20.37	77	161609	6.01	ul/l		98
66)	Azobenzene	20.37	77	161609	6.01	ul/l		98
67)	4-Bromophenyl-phenylether	21.22	248	30118	4.37	ul/l		97
68)	Hexachlorobenzene	21.57	284	35540	4.14	ul/l	#	71
69)	Atrazine	21.79	58	30866	7.09	ul/l		91
70)	Pentachlorophenol	22.04	266	19834	3.89	ul/l		97
71)	Phenanthrene	22.40	178	156113	5.14	ul/l		96
72)	Anthracene	22.50	178	154558	5.01	ul/l		96
73)	Di-n-butylphthalate	24.07	149	222666	5.44	ul/l		98
74)	Fluoranthene	25.46	202	167190	4.89	ul/l		97
76)	Benzidine	25.83	184	47620	4.04	ul/l		98
77)	Pyrene	26.02	202	172923	5.73	ul/l		95
79)	Butylbenzylphthalate	27.88	149	102664	6.37	ul/l		94
80)	3,3'-Dichlorobenzidine	29.11	252	60750	4.71	ul/l		99
81)	Benzo[a]anthracene	29.11	228	167140	5.28	ul/l		97
82)	bis(2-Ethylhexyl)phthalate	29.42	149	139426	6.20	ul/l		94
83)	Chrysene	29.24	228	149648	5.72	ul/l		96
85)	Di-n-octylphthalate	30.89	149	253165m	6.09	ul/l		
86)	Benzo[b]fluoranthene	31.72	252	157699m	4.87	ul/l		
87)	Benzo[k]fluoranthene	31.77	252	144908	4.82	ul/l		93
88)	Benzo[a]pyrene	32.43	252	152618	5.03	ul/l		94
89)	Indeno[1,2,3-cd]pyrene	34.86	276	160340	4.80	ul/l		77
90)	Dibenz[a,h]anthracene	34.87	278	132376	4.55	ul/l		91
91)	Benzo[g,h,i]perylene	35.46	276	138508	5.37	ul/l		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1208\E9454.D Vial: 2
Acq On : 8 Dec 2015 12:37 Operator: JMM
Sample : S5L0816-CAL1 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 5 17:11 2016 Quant Results File: SVE81207.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9455.D Vial: 3
Acq On : 8 Dec 2015 15:04 Operator: JMM
Sample : S5L0816-CAL2 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.78	152	296854	40.00	ul/l	0.00
21) Naphthalene-d8	14.01	136	1331094	40.00	ul/l	-0.01
37) Acenaphthene-d10	18.57	164	638962	40.00	ul/l	-0.02
61) Phenanthrene-d10	22.35	188	1135647	40.00	ul/l	-0.01
75) Chrysene-d12	29.19	240	1223927	40.00	ul/l	-0.02
84) Perylene-d12	32.59	264	1169143	40.00	ul/l	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	7.78	112	107582	9.80	ul/l	0.00
Spiked Amount 120.000	Range 15 - 110		Recovery = 8.17%#			
7) Phenol-d5	10.12	99	161046	10.40	ul/l	-0.04
Spiked Amount 120.000	Range 15 - 110		Recovery = 8.67%#			
22) Nitrobenzene-d5	12.24	82	133075	10.72	ul/l	-0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.72%#			
42) 2-Fluorobiphenyl	16.87	172	204743	9.51	ul/l	-0.03
Spiked Amount 100.000	Range 15 - 110		Recovery = 9.51%#			
60) 2,4,6-Tribromophenol	20.61	330	36122	6.65	ul/l	-0.04
Spiked Amount 120.000	Range 15 - 110		Recovery = 5.54%#			
78) Terphenyl-d14	26.51	244	240769	10.11	ul/l	-0.03
Spiked Amount 100.000	Range 30 - 130		Recovery = 10.11%#			
Target Compounds						Qvalue
2) Pyridine	4.43	79	126394	10.22	ul/l	93
3) N-Nitrosodimethylamine	4.47	74	101909	11.35	ul/l	90
5) Benzaldehyde	9.72	77	15115	7.67	ul/l	94
6) Aniline	10.09	93	231716	11.68	ul/l	93
8) Phenol	10.15	94	178202	10.88	ul/l	97
9) bis(2-Chloroethyl)ether	10.28	93	157627	11.00	ul/l	94
10) 2-Chlorophenol	10.34	128	118864	10.41	ul/l	93
11) 1,3-Dichlorobenzene	10.68	146	118351	10.46	ul/l	99
12) 1,4-Dichlorobenzene	10.82	146	123701	10.54	ul/l	100
13) Benzyl alcohol	11.23	79	116398	11.15	ul/l	87
14) 1,2-Dichlorobenzene	11.27	146	117051	10.13	ul/l	99
15) 2-Methylphenol	11.61	108	119034	10.42	ul/l	99
16) bis(2-chloroisopropyl)ethe	11.65	45	323981	15.81	ul/l	89
17) Acetophenone	11.88	105	162208	9.28	ul/l	92
18) 3&4-Methylphenol	11.98	108	130578	10.33	ul/l	97
19) N-Nitroso-di-n-propylamine	11.99	70	122460	11.89	ul/l	87
20) Hexachloroethane	12.04	117	51067	10.42	ul/l	98
23) Nitrobenzene	12.29	77	151593	11.02	ul/l	89
24) Isophorone	12.89	82	334597	11.31	ul/l	96
25) 2-Nitrophenol	13.10	139	69136	10.11	ul/l	95
26) 2,4-Dimethylphenol	13.30	107	117499	9.96	ul/l	96
27) Benzoic Acid	13.56	122	45818m	7.11	ul/l	
28) bis(2-Chloroethoxy)methane	13.54	93	184408	10.67	ul/l	98
29) 2,4-Dichlorophenol	13.71	162	87260	8.89	ul/l	99
30) 1,2,4-Trichlorobenzene	13.92	180	91039	9.06	ul/l	99
31) Naphthalene	14.06	128	358605	10.51	ul/l	99
32) 4-Chloroaniline	14.29	127	160800	10.50	ul/l	98
33) Hexachlorobutadiene	14.58	225	48533	8.41	ul/l #	58
34) Caprolactam	15.12	55	92139	10.79	ul/l	94
35) 4-Chloro-3-methylphenol	15.60	107	100751	9.63	ul/l	100
36) 2-Methylnaphthalene	15.83	142	232075	10.00	ul/l	93
38) 1,2,4,5-tetrachlorobenzene	16.38	216	91134	7.72	ul/l	96
39) Hexachlorocyclopentadiene	16.46	237	46083	11.74	ul/l	96
40) 2,4,6-Trichlorophenol	16.66	196	61157	8.93	ul/l	98
41) 2,4,5-Trichlorophenol	16.75	196	65674	8.99	ul/l	99
43) 1,1'-Biphenyl	17.08	154	260803	8.62	ul/l	94
44) 2-Chloronaphthalene	17.08	162	200690	9.53	ul/l	98
45) 2-Nitroaniline	17.45	65	79339	11.41	ul/l	88
46) Dimethylphthalate	18.06	163	233127	9.57	ul/l	99
47) Acenaphthylene	18.16	152	330512	9.97	ul/l	97
48) 3-Nitroaniline	18.53	138	77513	10.82	ul/l	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9455.D Vial: 3
Acq On : 8 Dec 2015 15:04 Operator: JMM
Sample : S5L0816-CAL2 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

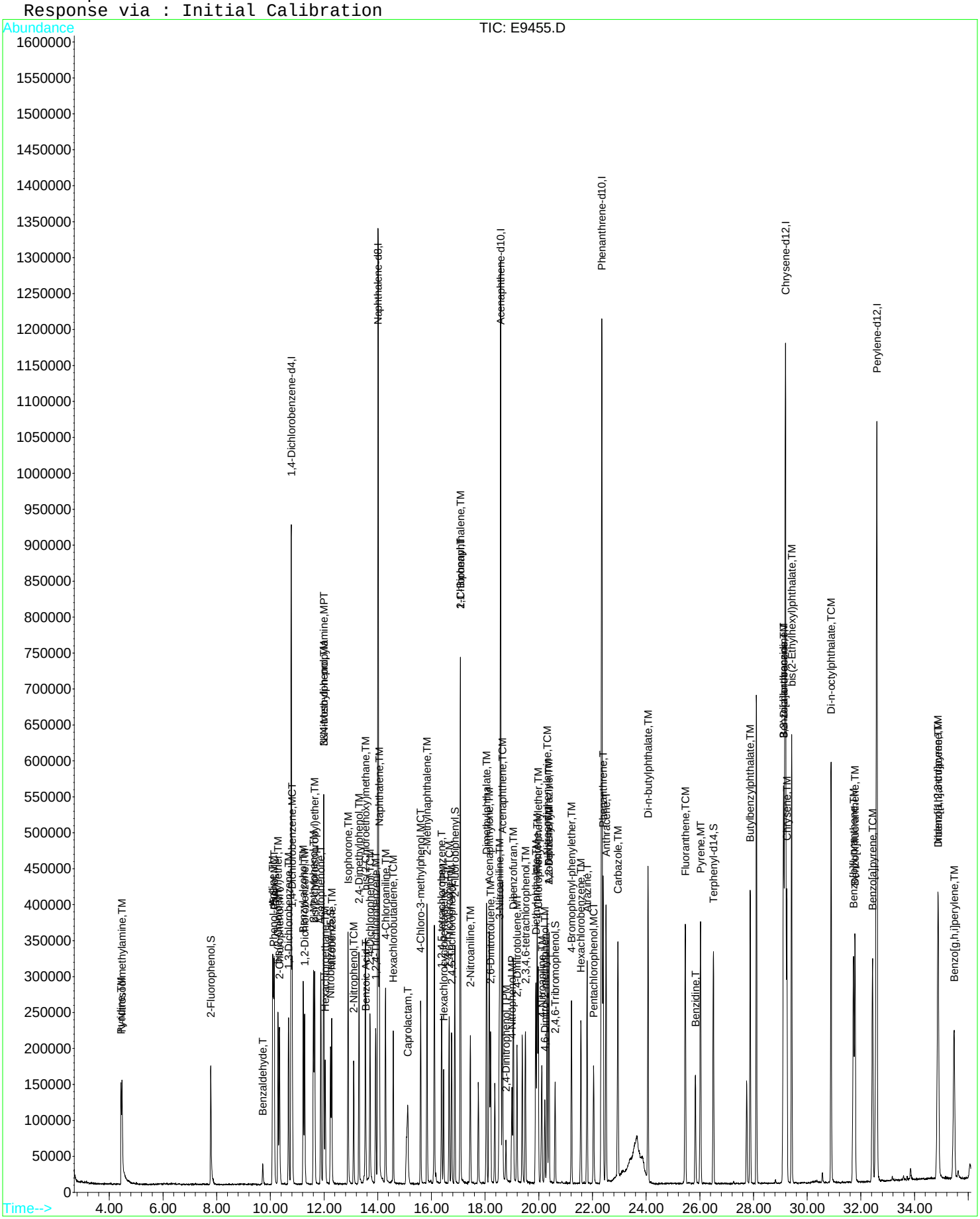
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	Acenaphthene	18.65	153	203544	10.30	ul/l		99
50)	2,4-Dinitrophenol	18.77	184	16357	10.68	ul/l		89
51)	4-Nitrophenol	19.00	109	19673	8.45	ul/l		77
52)	Dibenzofuran	19.05	168	276794	9.73	ul/l		99
53)	2,6-Dinitrotoluene	18.21	165	58121	10.14	ul/l		95
54)	2,4-Dinitrotoluene	19.19	165	72931	9.86	ul/l		94
55)	2,3,4,6-tetrachlorophenol	19.50	232	57094	8.71	ul/l		98
56)	Diethylphthalate	19.89	149	241415	9.76	ul/l		98
57)	4-Chlorophenyl-phenylether	19.99	204	103419	8.95	ul/l		96
58)	Fluorene	19.94	166	224250	9.04	ul/l		100
59)	4-Nitroaniline	20.11	138	76661	11.99	ul/l		100
62)	4,6-Dinitro-2-methylphenol	20.23	198	34644	9.47	ul/l		98
63)	Carbazole	22.95	167	309484	10.58	ul/l		100
64)	n-Nitrosodiphenylamine	20.31	169	187927	9.55	ul/l		100
65)	1,2-Diphenylhydrazine	20.38	77	332097	12.02	ul/l		97
66)	Azobenzene	20.38	77	332097	12.02	ul/l		97
67)	4-Bromophenyl-phenylether	21.22	248	64659	9.14	ul/l		98
68)	Hexachlorobenzene	21.57	284	72419	8.21	ul/l	#	72
69)	Atrazine	21.80	58	62852	14.05	ul/l		93
70)	Pentachlorophenol	22.04	266	47229	9.02	ul/l		94
71)	Phenanthrene	22.40	178	323543	10.36	ul/l		97
72)	Anthracene	22.51	178	322147	10.15	ul/l		97
73)	Di-n-butylphthalate	24.07	149	447028	10.63	ul/l		99
74)	Fluoranthene	25.46	202	348957	9.94	ul/l		98
76)	Benzidine	25.84	184	139274	11.63	ul/l		98
77)	Pyrene	26.02	202	362940	11.41	ul/l		95
79)	Butylbenzylphthalate	27.88	149	215470	12.67	ul/l		96
80)	3,3'-Dichlorobenzidine	29.12	252	126433	9.29	ul/l		99
81)	Benzo[a]anthracene	29.12	228	353544	10.60	ul/l		97
82)	bis(2-Ethylhexyl)phthalate	29.42	149	291590	12.29	ul/l		95
83)	Chrysene	29.24	228	313572	11.36	ul/l		97
85)	Di-n-octylphthalate	30.89	149	531560m	12.30	ul/l		
86)	Benzo[b]fluoranthene	31.72	252	333773m	9.93	ul/l		
87)	Benzo[k]fluoranthene	31.78	252	333857m	10.69	ul/l		
88)	Benzo[a]pyrene	32.44	252	324088	10.29	ul/l		94
89)	Indeno[1,2,3-cd]pyrene	34.87	276	337538	9.73	ul/l		76
90)	Dibenz[a,h]anthracene	34.89	278	282221	9.35	ul/l		90
91)	Benzo[g,h,i]perylene	35.48	276	281315	10.49	ul/l		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1208\E9455.D Vial: 3
Acq On : 8 Dec 2015 15:04 Operator: JMM
Sample : S5L0816-CAL2 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9456.D Vial: 4
Acq On : 8 Dec 2015 15:48 Operator: JMM
Sample : S5L0816-CAL3 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.77	152	290369	40.00	ul/l	-0.01
21) Naphthalene-d8	14.01	136	1273176	40.00	ul/l	-0.01
37) Acenaphthene-d10	18.58	164	607041	40.00	ul/l	-0.01
61) Phenanthrene-d10	22.35	188	1085725	40.00	ul/l	-0.01
75) Chrysene-d12	29.19	240	1193449	40.00	ul/l	-0.02
84) Perylene-d12	32.60	264	1132813	40.00	ul/l	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	7.78	112	213336	19.86	ul/l	-0.01
Spiked Amount 120.000	Range 15 - 110		Recovery = 16.55%			
7) Phenol-d5	10.12	99	311443	20.56	ul/l	-0.03
Spiked Amount 120.000	Range 15 - 110		Recovery = 17.13%			
22) Nitrobenzene-d5	12.25	82	253075	21.32	ul/l	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 21.32%#			
42) 2-Fluorobiphenyl	16.88	172	389127	19.01	ul/l	-0.02
Spiked Amount 100.000	Range 15 - 110		Recovery = 19.01%			
60) 2,4,6-Tribromophenol	20.62	330	73947	14.33	ul/l	-0.03
Spiked Amount 120.000	Range 15 - 110		Recovery = 11.94%#			
78) Terphenyl-d14	26.51	244	470696	20.27	ul/l	-0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 20.27%#			
Target Compounds						Qvalue
2) Pyridine	4.42	79	240793	19.91	ul/l	93
3) N-Nitrosodimethylamine	4.48	74	198230	22.58	ul/l	91
5) Benzaldehyde	9.71	77	29914	15.51	ul/l	96
6) Aniline	10.09	93	430102	22.16	ul/l	95
8) Phenol	10.15	94	338068	21.11	ul/l	95
9) bis(2-Chloroethyl)ether	10.29	93	298339	21.29	ul/l	93
10) 2-Chlorophenol	10.34	128	234311	20.98	ul/l	93
11) 1,3-Dichlorobenzene	10.68	146	233055	21.06	ul/l	100
12) 1,4-Dichlorobenzene	10.82	146	236913	20.65	ul/l	98
13) Benzyl alcohol	11.23	79	225675	22.09	ul/l	86
14) 1,2-Dichlorobenzene	11.27	146	229583	20.31	ul/l	98
15) 2-Methylphenol	11.61	108	233514	20.90	ul/l	100
16) bis(2-chloroisopropyl)ethe	11.65	45	624565	31.16	ul/l	93
17) Acetophenone	11.89	105	313462	18.34	ul/l	92
18) 3&4-Methylphenol	11.99	108	253368	20.49	ul/l	95
19) N-Nitroso-di-n-propylamine	12.00	70	234555	23.27	ul/l	87
20) Hexachloroethane	12.04	117	102663	21.42	ul/l	99
23) Nitrobenzene	12.29	77	289459	22.00	ul/l	92
24) Isophorone	12.90	82	630384	22.27	ul/l	98
25) 2-Nitrophenol	13.11	139	134735	20.60	ul/l	96
26) 2,4-Dimethylphenol	13.31	107	229969	20.38	ul/l	96
27) Benzoic Acid	13.66	122	76617m	12.44	ul/l	
28) bis(2-Chloroethoxy)methane	13.55	93	355555	21.51	ul/l	98
29) 2,4-Dichlorophenol	13.72	162	174127	18.55	ul/l	99
30) 1,2,4-Trichlorobenzene	13.93	180	176543	18.37	ul/l	98
31) Naphthalene	14.06	128	682446	20.91	ul/l	100
32) 4-Chloroaniline	14.30	127	310741	21.22	ul/l	98
33) Hexachlorobutadiene	14.58	225	94329	17.08	ul/l #	57
34) Caprolactam	15.19	55	175834	21.52	ul/l	92
35) 4-Chloro-3-methylphenol	15.61	107	198121	19.79	ul/l	98
36) 2-Methylnaphthalene	15.84	142	451212	20.33	ul/l	94
38) 1,2,4,5-tetrachlorobenzene	16.38	216	174842	15.59	ul/l	97
39) Hexachlorocyclopentadiene	16.46	237	97648	20.08	ul/l	96
40) 2,4,6-Trichlorophenol	16.67	196	122330	18.80	ul/l	96
41) 2,4,5-Trichlorophenol	16.76	196	127066	18.32	ul/l	97
43) 1,1'-Biphenyl	17.09	154	515356	17.93	ul/l	94
44) 2-Chloronaphthalene	17.08	162	402907	20.15	ul/l	97
45) 2-Nitroaniline	17.46	65	153716	23.26	ul/l	91
46) Dimethylphthalate	18.07	163	444094	19.20	ul/l	99
47) Acenaphthylene	18.16	152	629337	19.98	ul/l	98
48) 3-Nitroaniline	18.54	138	153428	22.54	ul/l #	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9456.D Vial: 4
Acq On : 8 Dec 2015 15:48 Operator: JMM
Sample : S5L0816-CAL3 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

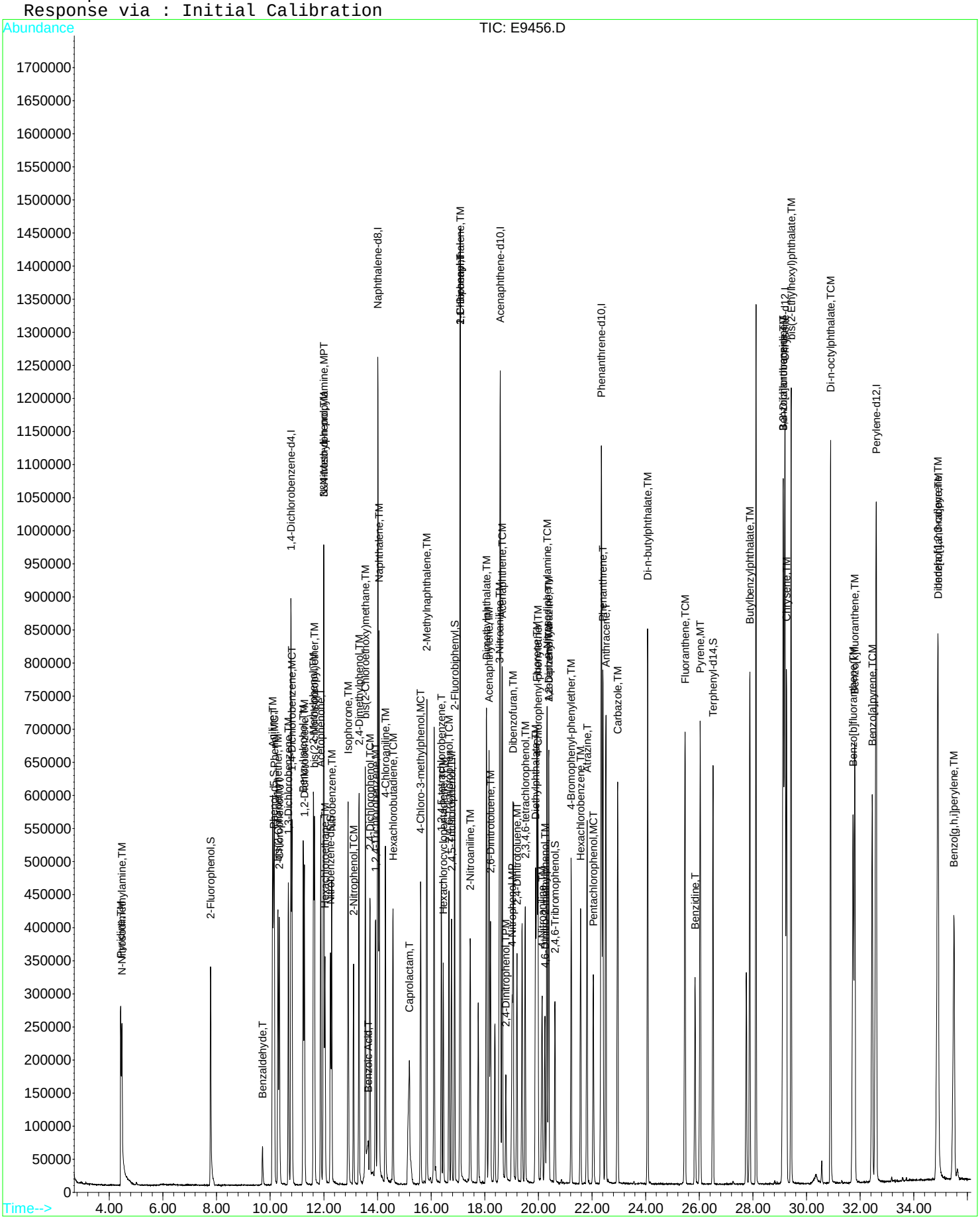
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	Acenaphthene	18.65	153	393989	20.99	ul/l		99
50)	2,4-Dinitrophenol	18.79	184	48245	18.75	ul/l		95
51)	4-Nitrophenol	19.02	109	41357	18.71	ul/l		78
52)	Dibenzofuran	19.06	168	533882	19.75	ul/l		99
53)	2,6-Dinitrotoluene	18.22	165	113195	20.80	ul/l		94
54)	2,4-Dinitrotoluene	19.21	165	145154	20.66	ul/l		92
55)	2,3,4,6-tetrachlorophenol	19.51	232	113137	18.17	ul/l		98
56)	Diethylphthalate	19.89	149	466335	19.84	ul/l		98
57)	4-Chlorophenyl-phenylether	19.99	204	202219	18.41	ul/l		96
58)	Fluorene	19.95	166	441553	18.74	ul/l		98
59)	4-Nitroaniline	20.14	138	145752	24.00	ul/l		99
62)	4,6-Dinitro-2-methylphenol	20.25	198	82565	21.98	ul/l		99
63)	Carbazole	22.96	167	605133	21.63	ul/l		100
64)	n-Nitrosodiphenylamine	20.32	169	366674	19.49	ul/l		100
65)	1,2-Diphenylhydrazine	20.39	77	635197	24.05	ul/l		97
66)	Azobenzene	20.39	77	635197	24.05	ul/l		97
67)	4-Bromophenyl-phenylether	21.23	248	125120	18.49	ul/l		98
68)	Hexachlorobenzene	21.58	284	141207	16.74	ul/l	#	39
69)	Atrazine	21.82	58	121964	28.53	ul/l		93
70)	Pentachlorophenol	22.05	266	92152	18.41	ul/l		97
71)	Phenanthrene	22.40	178	624103	20.91	ul/l		98
72)	Anthracene	22.52	178	628411	20.71	ul/l		97
73)	Di-n-butylphthalate	24.08	149	884201	21.99	ul/l		99
74)	Fluoranthene	25.47	202	682694	20.34	ul/l		97
76)	Benzidine	25.84	184	283594	24.55	ul/l		97
77)	Pyrene	26.04	202	697474	22.48	ul/l		96
79)	Butylbenzylphthalate	27.89	149	412753	24.89	ul/l		97
80)	3,3'-Dichlorobenzidine	29.13	252	252232	19.00	ul/l		99
81)	Benzo[a]anthracene	29.12	228	699974	21.52	ul/l		97
82)	bis(2-Ethylhexyl)phthalate	29.43	149	578569	25.00	ul/l		95
83)	Chrysene	29.25	228	617614	22.95	ul/l		97
85)	Di-n-octylphthalate	30.90	149	1020040m	24.37	ul/l		
86)	Benzo[b]fluoranthene	31.74	252	646102	19.83	ul/l		94
87)	Benzo[k]fluoranthene	31.80	252	600976	19.86	ul/l		93
88)	Benzo[a]pyrene	32.45	252	631870	20.71	ul/l		94
89)	Indeno[1,2,3-cd]pyrene	34.89	276	696415	20.71	ul/l		76
90)	Dibenz[a,h]anthracene	34.91	278	580350	19.84	ul/l		90
91)	Benzo[g,h,i]perylene	35.50	276	571001	21.98	ul/l		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1208\E9456.D Vial: 4
Acq On : 8 Dec 2015 15:48 Operator: JMM
Sample : S5L0816-CAL3 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9457.D Vial: 5
Acq On : 8 Dec 2015 16:33 Operator: JMM
Sample : S5L0816-CAL4 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.78	152	278594	40.00	ul/l	0.00
21) Naphthalene-d8	14.03	136	1237013	40.00	ul/l	0.00
37) Acenaphthene-d10	18.59	164	589522	40.00	ul/l	0.00
61) Phenanthrene-d10	22.36	188	982841	40.00	ul/l	0.00
75) Chrysene-d12	29.21	240	1101149	40.00	ul/l	0.00
84) Perylene-d12	32.61	264	1017361	40.00	ul/l	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	7.79	112	567685	55.09	ul/l	0.00
Spiked Amount 120.000	Range 15 - 110		Recovery = 45.91%			
7) Phenol-d5	10.16	99	827765	56.96	ul/l	0.00
Spiked Amount 120.000	Range 15 - 110		Recovery = 47.47%			
22) Nitrobenzene-d5	12.26	82	661970	57.41	ul/l	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 57.41%			
42) 2-Fluorobiphenyl	16.90	172	1013837	51.01	ul/l	0.00
Spiked Amount 100.000	Range 15 - 110		Recovery = 51.01%			
60) 2,4,6-Tribromophenol	20.64	330	191484	38.20	ul/l	0.00
Spiked Amount 120.000	Range 15 - 110		Recovery = 31.83%			
78) Terphenyl-d14	26.53	244	1133769	52.92	ul/l	0.00
Spiked Amount 100.000	Range 30 - 130		Recovery = 52.92%			
Target Compounds						Qvalue
2) Pyridine	4.41	79	625027	53.86	ul/l	93
3) N-Nitrosodimethylamine	4.48	74	508586	60.38	ul/l	92
5) Benzaldehyde	9.71	77	72490	39.17	ul/l	92
6) Aniline	10.10	93	1083771	58.20	ul/l	95
8) Phenol	10.19	94	895022	58.25	ul/l	97
9) bis(2-Chloroethyl)ether	10.30	93	779215	57.96	ul/l	76
10) 2-Chlorophenol	10.35	128	616642	57.56	ul/l	91
11) 1,3-Dichlorobenzene	10.69	146	588747	55.44	ul/l	98
12) 1,4-Dichlorobenzene	10.82	146	620554	56.37	ul/l	99
13) Benzyl alcohol	11.26	79	588151	60.01	ul/l	88
14) 1,2-Dichlorobenzene	11.28	146	603959	55.69	ul/l	98
15) 2-Methylphenol	11.64	108	627074	58.51	ul/l	100
16) bis(2-chloroisopropyl)ethe	11.66	45	1606094	83.51	ul/l #	74
17) Acetophenone	11.91	105	803592	49.01	ul/l	93
18) 3&4-Methylphenol	12.03	108	693169	58.42	ul/l	95
19) N-Nitroso-di-n-propylamine	12.05	70	643204	66.52	ul/l	90
20) Hexachloroethane	12.05	117	285107	62.01	ul/l	95
23) Nitrobenzene	12.32	77	741329	57.99	ul/l	93
24) Isophorone	12.95	82	1556039	56.59	ul/l	97
25) 2-Nitrophenol	13.13	139	354408	55.76	ul/l	96
26) 2,4-Dimethylphenol	13.34	107	591920	53.98	ul/l	97
27) Benzoic Acid	13.84	122	275321m	46.00	ul/l	
28) bis(2-Chloroethoxy)methane	13.57	93	902837	56.23	ul/l	99
29) 2,4-Dichlorophenol	13.75	162	469290	51.45	ul/l	98
30) 1,2,4-Trichlorobenzene	13.93	180	464994	49.80	ul/l	98
31) Naphthalene	14.08	128	1744824	55.03	ul/l	99
32) 4-Chloroaniline	14.31	127	801668	56.35	ul/l	99
33) Hexachlorobutadiene	14.59	225	249965	46.59	ul/l #	60
34) Caprolactam	15.33	55	323854	40.80	ul/l	95
35) 4-Chloro-3-methylphenol	15.65	107	500219	51.42	ul/l	98
36) 2-Methylnaphthalene	15.86	142	1133728	52.56	ul/l	92
38) 1,2,4,5-tetrachlorobenzene	16.40	216	455824	41.86	ul/l	97
39) Hexachlorocyclopentadiene	16.46	237	276939	49.12	ul/l	96
40) 2,4,6-Trichlorophenol	16.69	196	323336	51.16	ul/l	98
41) 2,4,5-Trichlorophenol	16.79	196	339327	50.37	ul/l	99
43) 1,1'-Biphenyl	17.11	154	1373714	49.21	ul/l	95
44) 2-Chloronaphthalene	17.10	162	1083929	55.81	ul/l	98
45) 2-Nitroaniline	17.49	65	397680	61.97	ul/l	90
46) Dimethylphthalate	18.10	163	1116385	49.70	ul/l	99
47) Acenaphthylene	18.18	152	1568879	51.28	ul/l	99
48) 3-Nitroaniline	18.59	138	399668	60.45	ul/l	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9457.D Vial: 5
Acq On : 8 Dec 2015 16:33 Operator: JMM
Sample : S5L0816-CAL4 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

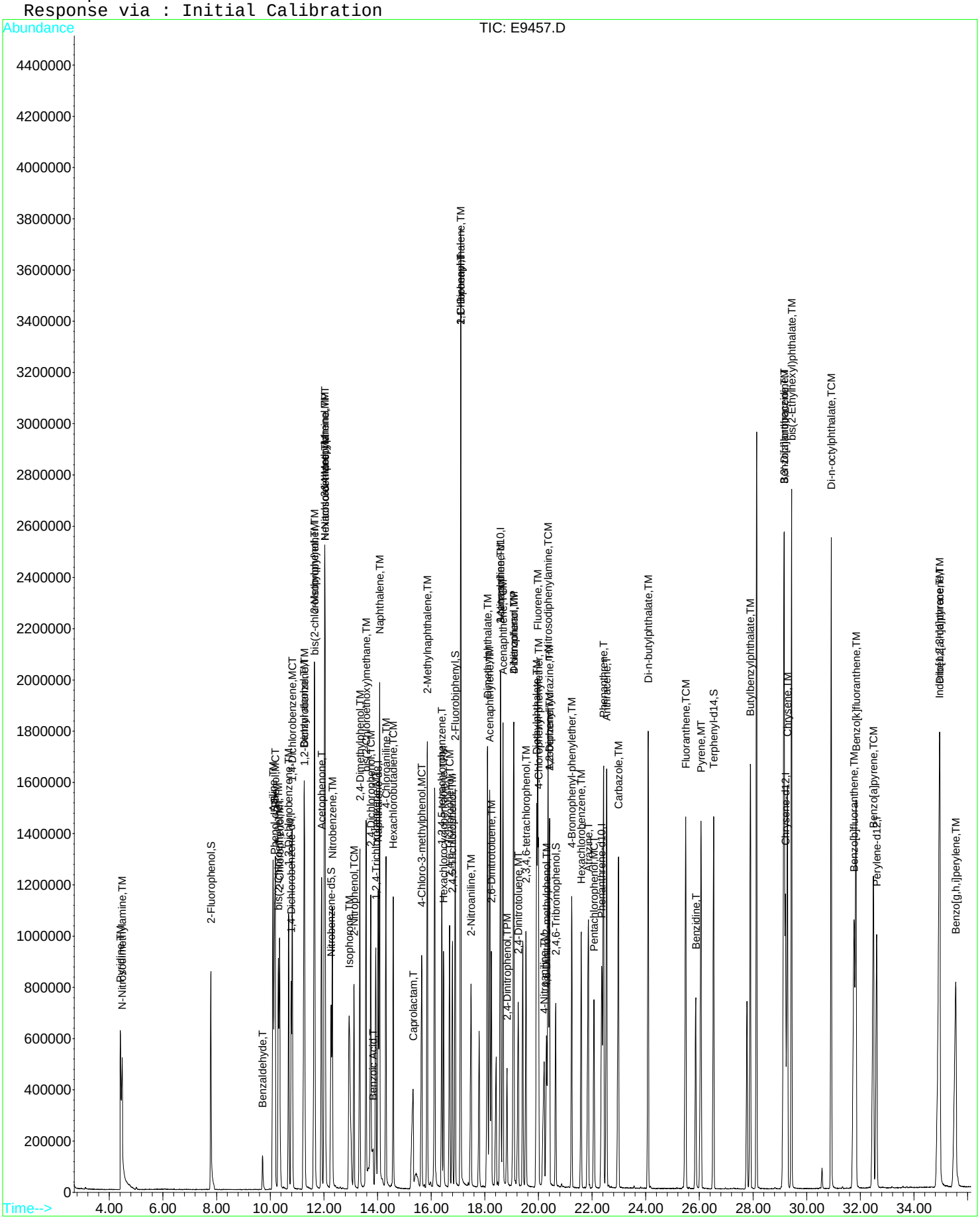
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	Acenaphthene	18.68	153	1000885	54.91	ul/l		98
50)	2,4-Dinitrophenol	18.83	184	161245	47.81	ul/l		98
51)	4-Nitrophenol	19.07	109	117698	54.82	ul/l	#	1
52)	Dibenzofuran	19.09	168	1357058	51.69	ul/l	#	59
53)	2,6-Dinitrotoluene	18.25	165	291110	55.07	ul/l		96
54)	2,4-Dinitrotoluene	19.25	165	366452	53.71	ul/l		96
55)	2,3,4,6-tetrachlorophenol	19.53	232	291162	48.14	ul/l		97
56)	Diethylphthalate	19.93	149	1173365	51.40	ul/l		100
57)	4-Chlorophenyl-phenylether	20.00	204	532114	49.89	ul/l		95
58)	Fluorene	19.97	166	1172774	51.26	ul/l		99
59)	4-Nitroaniline	20.21	138	363420	61.61	ul/l		98
62)	4,6-Dinitro-2-methylphenol	20.30	198	227592	55.26	ul/l		99
63)	Carbazole	22.98	167	1442509	56.97	ul/l		100
64)	n-Nitrosodiphenylamine	20.36	169	948983	55.71	ul/l		98
65)	1,2-Diphenylhydrazine	20.41	77	1655313m	69.22	ul/l		
66)	Azobenzene	20.41	77	1658431m	69.35	ul/l		
67)	4-Bromophenyl-phenylether	21.25	248	309911	50.59	ul/l		97
68)	Hexachlorobenzene	21.60	284	352977	46.24	ul/l	#	72
69)	Atrazine	21.86	58	288890	74.64	ul/l		94
70)	Pentachlorophenol	22.07	266	239841	52.92	ul/l		97
71)	Phenanthrene	22.43	178	1530513	56.64	ul/l		99
72)	Anthracene	22.54	178	1534858	55.88	ul/l		99
73)	Di-n-butylphthalate	24.09	149	2059945	56.60	ul/l		100
74)	Fluoranthene	25.49	202	1600745	52.68	ul/l		98
76)	Benzidine	25.87	184	726149	68.54	ul/l		98
77)	Pyrene	26.06	202	1647188	57.54	ul/l		98
79)	Butylbenzylphthalate	27.91	149	973819	63.65	ul/l		97
80)	3,3'-Dichlorobenzidine	29.16	252	668529	54.59	ul/l		98
81)	Benzo[a]anthracene	29.16	228	1726933	57.53	ul/l		99
82)	bis(2-Ethylhexyl)phthalate	29.44	149	1374916	64.40	ul/l		98
83)	Chrysene	29.28	228	1511899	60.89	ul/l		98
85)	Di-n-octylphthalate	30.92	149	2378381m	63.27	ul/l		
86)	Benzo[b]fluoranthene	31.77	252	1614640	55.19	ul/l		95
87)	Benzo[k]fluoranthene	31.84	252	1527950m	56.22	ul/l		
88)	Benzo[a]pyrene	32.49	252	1544639	56.38	ul/l		94
89)	Indeno[1,2,3-cd]pyrene	34.95	276	1749595	57.94	ul/l		78
90)	Dibenz[a,h]anthracene	34.97	278	1515227	57.67	ul/l		92
91)	Benzo[g,h,i]perylene	35.56	276	1393875	59.75	ul/l		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1208\E9457.D Vial: 5
Acq On : 8 Dec 2015 16:33 Operator: JMM
Sample : S5L0816-CAL4 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:12 2016 Quant Results File: SVE81207.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9458.D Vial: 6
Acq On : 8 Dec 2015 18:02 Operator: JMM
Sample : S5L0816-CAL5 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:13 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.79	152	345658	40.00	ul/l		0.00
21) Naphthalene-d8	14.04	136	1543133	40.00	ul/l		0.01
37) Acenaphthene-d10	18.60	164	736653	40.00	ul/l		0.00
61) Phenanthrene-d10	22.37	188	1201935	40.00	ul/l		0.01
75) Chrysene-d12	29.23	240	1488286	40.00	ul/l		0.01
84) Perylene-d12	32.63	264	1267770	40.00	ul/l		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	7.80	112	1073739	83.98	ul/l		0.01
Spiked Amount 120.000	Range 15 - 110		Recovery = 69.98%				
7) Phenol-d5	10.19	99	1571385	87.15	ul/l		0.04
Spiked Amount 120.000	Range 15 - 110		Recovery = 72.63%				
22) Nitrobenzene-d5	12.29	82	1247404	86.72	ul/l		0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 86.72%				
42) 2-Fluorobiphenyl	16.91	172	1886841	75.98	ul/l		0.01
Spiked Amount 100.000	Range 15 - 110		Recovery = 75.98%				
60) 2,4,6-Tribromophenol	20.67	330	368601	58.85	ul/l		0.02
Spiked Amount 120.000	Range 15 - 110		Recovery = 49.04%				
78) Terphenyl-d14	26.55	244	2117295	73.12	ul/l		0.01
Spiked Amount 100.000	Range 30 - 130		Recovery = 73.12%				
Target Compounds							Qvalue
2) Pyridine	4.41	79	1130887	78.55	ul/l		94
3) N-Nitrosodimethylamine	4.49	74	940879	90.03	ul/l		89
5) Benzaldehyde	9.71	77	162646	70.84	ul/l		95
6) Aniline	10.12	93	1978448	85.63	ul/l		96
8) Phenol	10.22	94	1701345	89.24	ul/l		97
9) bis(2-Chloroethyl)ether	10.31	93	1459097	87.48	ul/l		76
10) 2-Chlorophenol	10.36	128	1191001	89.60	ul/l		90
11) 1,3-Dichlorobenzene	10.69	146	1107045	84.02	ul/l		98
12) 1,4-Dichlorobenzene	10.83	146	1174434	85.98	ul/l		99
13) Benzyl alcohol	11.29	79	1131207	93.02	ul/l		92
14) 1,2-Dichlorobenzene	11.29	146	1187067	88.22	ul/l		100
15) 2-Methylphenol	11.67	108	1223836	92.03	ul/l		100
16) bis(2-chloroisopropyl)ethe	11.67	45	2935830	123.04	ul/l	#	72
17) Acetophenone	11.94	105	1481587	72.82	ul/l		93
18) 3&4-Methylphenol	12.06	108	1454727	98.82	ul/l		99
19) N-Nitroso-di-n-propylamine	12.08	70	1196116	99.70	ul/l		92
20) Hexachloroethane	12.05	117	581502	101.93	ul/l		94
23) Nitrobenzene	12.34	77	1389454	87.13	ul/l		94
24) Isophorone	13.01	82	2882934	84.04	ul/l		95
25) 2-Nitrophenol	13.14	139	689057	86.90	ul/l		96
26) 2,4-Dimethylphenol	13.38	107	1105766	80.84	ul/l		99
27) Benzoic Acid	13.95	122	641103m	85.86	ul/l		
28) bis(2-Chloroethoxy)methane	13.60	93	1662519	83.00	ul/l		100
29) 2,4-Dichlorophenol	13.78	162	897994	78.92	ul/l		99
30) 1,2,4-Trichlorobenzene	13.95	180	885949	76.06	ul/l		99
31) Naphthalene	14.10	128	3188450	80.61	ul/l		96
32) 4-Chloroaniline	14.33	127	1516343	85.44	ul/l		99
33) Hexachlorobutadiene	14.59	225	479147	71.58	ul/l	#	60
34) Caprolactam	15.44	55	790957m	79.88	ul/l		
35) 4-Chloro-3-methylphenol	15.68	107	939881	77.45	ul/l		99
36) 2-Methylnaphthalene	15.87	142	2146040	79.76	ul/l		92
38) 1,2,4,5-tetrachlorobenzene	16.41	216	870633	63.98	ul/l		99
39) Hexachlorocyclopentadiene	16.47	237	526692	72.17	ul/l		98
40) 2,4,6-Trichlorophenol	16.71	196	619520	78.44	ul/l		98
41) 2,4,5-Trichlorophenol	16.83	196	634070	75.32	ul/l		99
43) 1,1'-Biphenyl	17.13	154	2654972	76.12	ul/l		94
44) 2-Chloronaphthalene	17.12	162	2118073	87.27	ul/l		96
45) 2-Nitroaniline	17.52	65	745360	92.95	ul/l		90
46) Dimethylphthalate	18.15	163	2127944	75.81	ul/l		99
47) Acenaphthylene	18.21	152	3023581	79.10	ul/l		99
48) 3-Nitroaniline	18.63	138	740787	89.67	ul/l		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9458.D Vial: 6
Acq On : 8 Dec 2015 18:02 Operator: JMM
Sample : S5L0816-CAL5 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:13 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

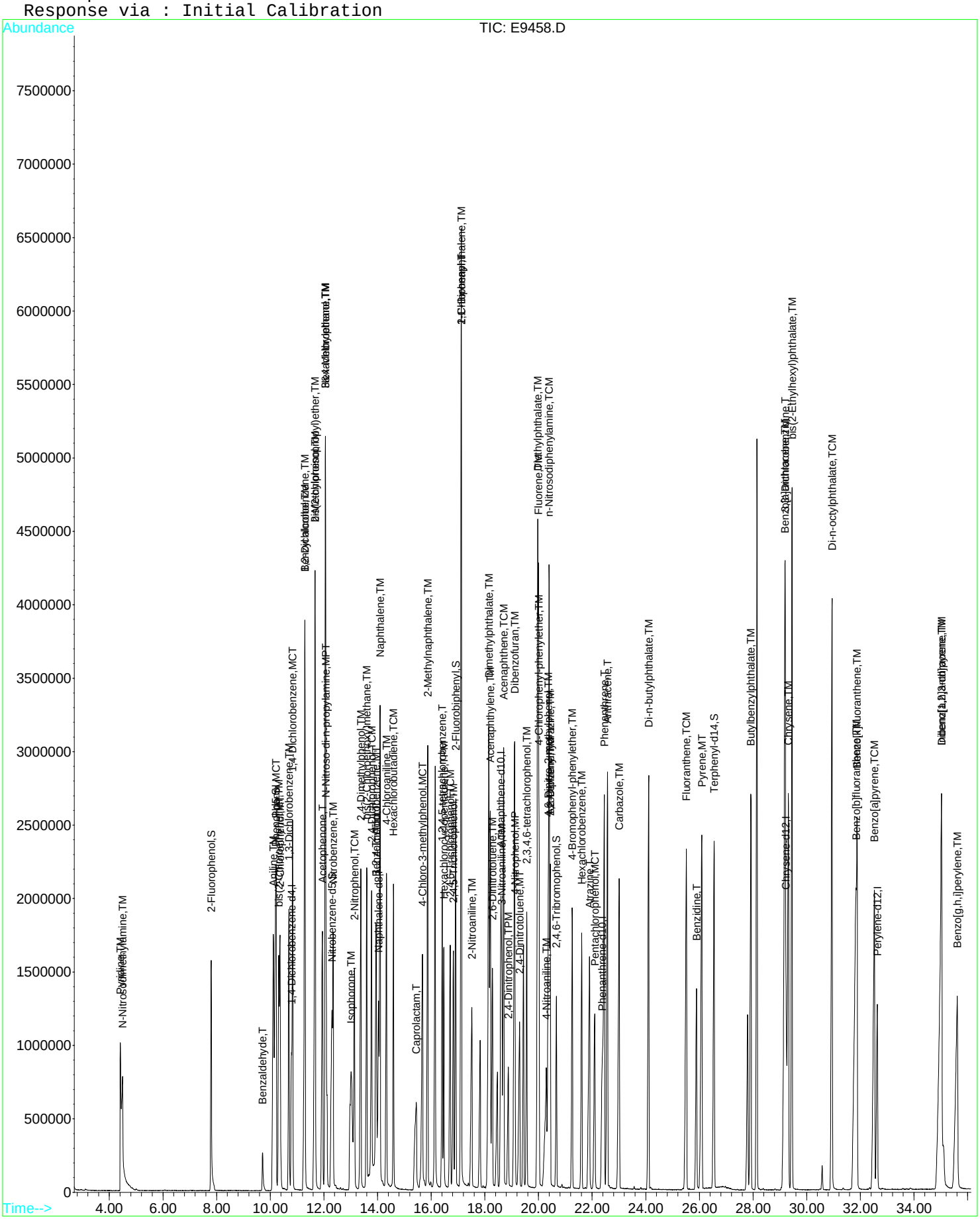
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	Acenaphthene	18.71	153	1882950	82.68	ul/l		99
50)	2,4-Dinitrophenol	18.87	184	333040	74.56	ul/l		98
51)	4-Nitrophenol	19.13	109	223582	83.34	ul/l	#	1
52)	Dibenzofuran	19.10	168	2527174	77.03	ul/l	#	55
53)	2,6-Dinitrotoluene	18.28	165	547804	82.93	ul/l		97
54)	2,4-Dinitrotoluene	19.30	165	682010	80.00	ul/l		96
55)	2,3,4,6-tetrachlorophenol	19.56	232	565884	74.88	ul/l		97
56)	Diethylphthalate	19.97	149	2361382	82.78	ul/l		98
57)	4-Chlorophenyl-phenylether	20.02	204	1102840	82.74	ul/l		93
58)	Fluorene	19.99	166	2453113	85.80	ul/l		98
59)	4-Nitroaniline	20.29	138	671100	91.05	ul/l		98
62)	4,6-Dinitro-2-methylphenol	20.36	198	471540	81.94	ul/l		98
63)	Carbazole	23.01	167	2645439	85.43	ul/l		99
64)	n-Nitrosodiphenylamine	20.39	169	1894602	90.95	ul/l		97
65)	1,2-Diphenylhydrazine	20.44	77	3262136	111.55	ul/l		75
66)	Azobenzene	20.44	77	3262136	111.55	ul/l		75
67)	4-Bromophenyl-phenylether	21.26	248	586028	78.23	ul/l		97
68)	Hexachlorobenzene	21.61	284	656348	70.31	ul/l	#	72
69)	Atrazine	21.90	58	519346	109.73	ul/l		93
70)	Pentachlorophenol	22.10	266	449197	81.05	ul/l		98
71)	Phenanthrene	22.45	178	2793717	84.54	ul/l		99
72)	Anthracene	22.57	178	2840885	84.58	ul/l		99
73)	Di-n-butylphthalate	24.11	149	3668179	82.41	ul/l		99
74)	Fluoranthene	25.52	202	2905794	78.20	ul/l		99
76)	Benzidine	25.89	184	1383441	96.72	ul/l		97
77)	Pyrene	26.09	202	3026238	78.21	ul/l		100
79)	Butylbenzylphthalate	27.92	149	1770314	85.61	ul/l		96
80)	3,3'-Dichlorobenzidine	29.20	252	1386878	83.79	ul/l		98
81)	Benzo[a]anthracene	29.18	228	3284691	80.97	ul/l		99
82)	bis(2-Ethylhexyl)phthalate	29.46	149	2582509	89.50	ul/l		98
83)	Chrysene	29.32	228	2868449	85.47	ul/l		98
85)	Di-n-octylphthalate	30.95	149	4304347m	91.89	ul/l		
86)	Benzo[b]fluoranthene	31.83	252	3120152m	85.59	ul/l		
87)	Benzo[k]fluoranthene	31.88	252	2807670m	82.90	ul/l		
88)	Benzo[a]pyrene	32.52	252	2868271	84.02	ul/l		95
89)	Indeno[1,2,3-cd]pyrene	35.03	276	3209090	85.29	ul/l		79
90)	Dibenz[a,h]anthracene	35.02	278	2774852	84.75	ul/l		94
91)	Benzo[g,h,i]perylene	35.62	276	2483754	85.43	ul/l		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1208\E9458.D Vial: 6
Acq On : 8 Dec 2015 18:02 Operator: JMM
Sample : S5L0816-CAL5 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:13 2016 Quant Results File: SVE81207.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9459.D Vial: 7
Acq On : 8 Dec 2015 18:47 Operator: JMM
Sample : S5L0816-CAL6 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:13 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.79	152	306564	40.00	ul/l	0.00
21) Naphthalene-d8	14.04	136	1349489	40.00	ul/l	0.01
37) Acenaphthene-d10	18.60	164	598637	40.00	ul/l	0.00
61) Phenanthrene-d10	22.38	188	1007028	40.00	ul/l	0.02
75) Chrysene-d12	29.23	240	1316783	40.00	ul/l	0.02
84) Perylene-d12	32.64	264	1034490	40.00	ul/l	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	7.80	112	1460246	128.78	ul/l	0.02
Spiked Amount 120.000	Range 15 - 110		Recovery = 107.32%			
7) Phenol-d5	10.21	99	2135373	133.53	ul/l	0.05
Spiked Amount 120.000	Range 15 - 110		Recovery = 111.27%#			
22) Nitrobenzene-d5	12.30	82	1653820	131.47	ul/l	0.04
Spiked Amount 100.000	Range 30 - 130		Recovery = 131.47%#			
42) 2-Fluorobiphenyl	16.93	172	2518803	124.81	ul/l	0.02
Spiked Amount 100.000	Range 15 - 110		Recovery = 124.81%#			
60) 2,4,6-Tribromophenol	20.68	330	490905	96.45	ul/l	0.04
Spiked Amount 120.000	Range 15 - 110		Recovery = 80.38%			
78) Terphenyl-d14	26.56	244	2786534	108.77	ul/l	0.02
Spiked Amount 100.000	Range 30 - 130		Recovery = 108.77%			
Target Compounds						Qvalue
2) Pyridine	4.40	79	1487874	116.53	ul/l	93
3) N-Nitrosodimethylamine	4.49	74	1272008	137.24	ul/l	90
5) Benzaldehyde	9.70	77	160821	78.98	ul/l	93
6) Aniline	10.12	93	2597548	126.76	ul/l	95
8) Phenol	10.24	94	2301700	136.13	ul/l	98
9) bis(2-Chloroethyl)ether	10.33	93	1973493	133.40	ul/l	77
10) 2-Chlorophenol	10.38	128	1630641	138.32	ul/l	90
11) 1,3-Dichlorobenzene	10.69	146	1477598	126.44	ul/l	97
12) 1,4-Dichlorobenzene	10.84	146	1560975	128.85	ul/l	98
13) Benzyl alcohol	11.32	79	1520881	141.02	ul/l	91
14) 1,2-Dichlorobenzene	11.29	146	1570175	131.58	ul/l	99
15) 2-Methylphenol	11.68	108	1669915	141.59	ul/l	100
16) bis(2-chloroisopropyl)ethe	11.68	45	3827167	180.85	ul/l #	70
17) Acetophenone	11.96	105	1936143	107.30	ul/l	93
18) 3&4-Methylphenol	12.08	108	1902065	145.68	ul/l	98
19) N-Nitroso-di-n-propylamine	12.14	70	1559083m	146.52	ul/l	
20) Hexachloroethane	12.05	117	748321	147.90	ul/l	94
23) Nitrobenzene	12.36	77	1838919	131.86	ul/l	94
24) Isophorone	13.05	82	3771606m	125.72	ul/l	
25) 2-Nitrophenol	13.15	139	933772	134.66	ul/l	96
26) 2,4-Dimethylphenol	13.40	107	1481616	123.86	ul/l	98
27) Benzoic Acid	14.08	122	853324m	130.68	ul/l	
28) bis(2-Chloroethoxy)methane	13.61	93	2174626	124.15	ul/l	99
29) 2,4-Dichlorophenol	13.79	162	1219813	122.58	ul/l	99
30) 1,2,4-Trichlorobenzene	13.95	180	1181676	116.01	ul/l	100
31) Naphthalene	14.10	128	4135597	119.56	ul/l	95
32) 4-Chloroaniline	14.35	127	1993414	128.44	ul/l	100
33) Hexachlorobutadiene	14.60	225	650480	111.13	ul/l #	59
34) Caprolactam	15.51	55	965016m	111.44	ul/l	
35) 4-Chloro-3-methylphenol	15.70	107	1238500	116.70	ul/l	99
36) 2-Methylnaphthalene	15.88	142	2874711	122.17	ul/l	92
38) 1,2,4,5-tetrachlorobenzene	16.42	216	1177040	106.44	ul/l	98
39) Hexachlorocyclopentadiene	16.48	237	707736	116.09	ul/l	98
40) 2,4,6-Trichlorophenol	16.72	196	830790	129.44	ul/l	98
41) 2,4,5-Trichlorophenol	16.85	196	873991	127.75	ul/l	99
43) 1,1'-Biphenyl	17.14	154	3429637	121.00	ul/l	92
44) 2-Chloronaphthalene	17.13	162	2824816	143.23	ul/l	96
45) 2-Nitroaniline	17.53	65	973960	149.46	ul/l	91
46) Dimethylphthalate	18.17	163	2898403	127.06	ul/l	98
47) Acenaphthylene	18.22	152	4176912	134.46	ul/l	98
48) 3-Nitroaniline	18.66	138	979329	145.87	ul/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\E\DATA15\DEC15\E1208\E9459.D Vial: 7
Acq On : 8 Dec 2015 18:47 Operator: JMM
Sample : S5L0816-CAL6 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:13 2016 Quant Results File: SVE81207.RES

Quant Method : D:\E\METHODS\SVE81207.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Mon Dec 07 13:09:48 2015
Response via : Initial Calibration
DataAcq Meth : SVE81207

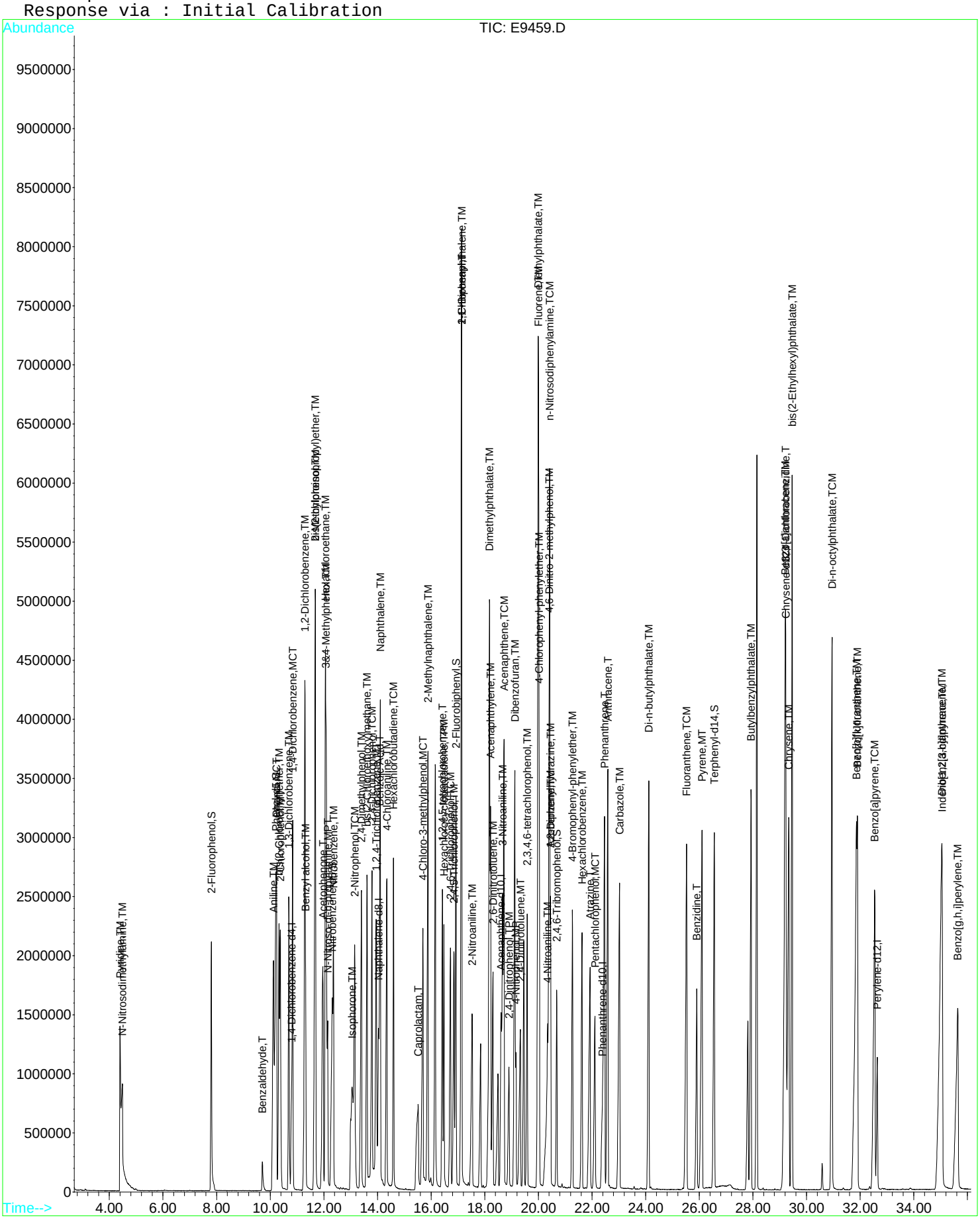
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	Acenaphthene	18.72	153	2535635	137.00	ul/l		99
50)	2,4-Dinitrophenol	18.90	184	462332	122.52	ul/l		98
51)	4-Nitrophenol	19.16	109	283291	129.95	ul/l	#	1
52)	Dibenzofuran	19.12	168	3264546	122.45	ul/l		75
53)	2,6-Dinitrotoluene	18.31	165	725009	135.07	ul/l		99
54)	2,4-Dinitrotoluene	19.33	165	887332	128.08	ul/l		97
55)	2,3,4,6-tetrachlorophenol	19.58	232	763279	124.29	ul/l		96
56)	Diethylphthalate	19.99	149	3157135	136.19	ul/l		95
57)	4-Chlorophenyl-phenylether	20.03	204	1533391	141.57	ul/l		92
58)	Fluorene	20.01	166	3333822	143.49	ul/l		97
59)	4-Nitroaniline	20.33	138	888084	148.27	ul/l		97
62)	4,6-Dinitro-2-methylphenol	20.39	198	696908	121.76	ul/l		83
63)	Carbazole	23.03	167	3435665	132.42	ul/l		98
64)	n-Nitrosodiphenylamine	20.42	169	2606472	149.34	ul/l		96
65)	1,2-Diphenylhydrazine	20.46	77	4361468m	178.01	ul/l		
66)	Azobenzene	20.46	77	4360288m	177.96	ul/l		
67)	4-Bromophenyl-phenylether	21.27	248	782720	124.71	ul/l		97
68)	Hexachlorobenzene	21.63	284	873824	111.72	ul/l	#	71
69)	Atrazine	21.93	58	663933	167.43	ul/l		92
70)	Pentachlorophenol	22.11	266	594150	127.95	ul/l		98
71)	Phenanthrene	22.47	178	3618667	130.70	ul/l		98
72)	Anthracene	22.59	178	3669442	130.40	ul/l		98
73)	Di-n-butylphthalate	24.12	149	4681032	125.52	ul/l		98
74)	Fluoranthene	25.53	202	3750729	120.48	ul/l		98
76)	Benzidine	25.91	184	1808065	142.98	ul/l		98
77)	Pyrene	26.10	202	3940159	115.10	ul/l		99
79)	Butylbenzylphthalate	27.94	149	2324134	127.02	ul/l		96
80)	3,3'-Dichlorobenzidine	29.22	252	1818898	124.20	ul/l		98
81)	Benzo[a]anthracene	29.20	228	4244989	118.27	ul/l		99
82)	bis(2-Ethylhexyl)phthalate	29.46	149	3359786	131.60	ul/l		96
83)	Chrysene	29.34	228	3720577	125.30	ul/l		98
85)	Di-n-octylphthalate	30.95	149	5552260m	145.25	ul/l		
86)	Benzo[b]fluoranthene	31.85	252	3987182m	134.03	ul/l		
87)	Benzo[k]fluoranthene	31.90	252	3764006m	136.20	ul/l		
88)	Benzo[a]pyrene	32.54	252	3707994	133.11	ul/l		95
89)	Indeno[1,2,3-cd]pyrene	35.06	276	4133348	134.62	ul/l		80
90)	Dibenz[a,h]anthracene	35.05	278	3592498	134.46	ul/l		94
91)	Benzo[g,h,i]perylene	35.63	276	3057820	128.90	ul/l		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\E\DATA15\DEC15\E1208\E9459.D Vial: 7
Acq On : 8 Dec 2015 18:47 Operator: JMM
Sample : S5L0816-CAL6 Inst : GC/MS E
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jan 6 9:13 2016 Quant Results File: SVE81207.RES

Method : D:\E\METHODS\SVE81208.M (RTE Integrator)
Title : SEMI-VOA 8270 TCL HP5971E
Last Update : Thu Jan 07 09:10:48 2016
Response via : Initial Calibration



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VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/23/15 23:47	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 5035A	File ID:	D13585.D
Prep Batch:	B5L2319	Sequence:	S5L2311	Analyzed:	12/23/15 23:47
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	8.42	14.0	U
107-13-1	Acrylonitrile	ND	2.81	14.0	U
67-64-1	Acetone	20.8	1.40	2.81	
75-71-8	Dichlorodifluoromethane	ND	1.40	2.81	U
74-87-3	Chloromethane	ND	1.40	2.81	U
75-01-4	Vinyl chloride	ND	1.40	2.81	U
74-83-9	Bromomethane	ND	1.40	2.81	U
75-00-3	Chloroethane	ND	1.40	2.81	U
75-69-4	Trichlorofluoromethane	ND	1.40	2.81	U
75-35-4	1,1-Dichloroethene	ND	1.40	2.81	U
75-15-0	Carbon disulfide	ND	1.40	2.81	U
75-09-2	Methylene Chloride	ND	1.40	2.81	U
156-60-5	trans-1,2-Dichloroethene	ND	1.40	2.81	U
75-34-3	1,1-Dichloroethane	ND	1.40	2.81	U
108-05-4	Vinyl acetate	ND	1.40	2.81	U
590-20-7	2,2-Dichloropropane	ND	1.40	2.81	U
78-93-3	2-Butanone	ND	1.40	2.81	U
156-59-4	cis-1,2-Dichloroethene	ND	1.40	2.81	U
67-66-3	Chloroform	ND	1.40	2.81	U
74-97-5	Bromochloromethane	ND	1.40	2.81	U
71-55-6	1,1,1-Trichloroethane	ND	1.40	2.81	U
563-58-6	1,1-Dichloropropene	ND	1.40	2.81	U
56-23-5	Carbon Tetrachloride	ND	1.40	2.81	U
107-06-2	1,2-Dichloroethane	ND	1.40	2.81	U
71-43-2	Benzene	ND	1.40	2.81	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/23/15 23:47	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 5035A	File ID:	D13585.D
Prep Batch:	B5L2319	Sequence:	S5L2311	Analyzed:	12/23/15 23:47
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
79-01-6	Trichloroethene	ND	1.40	2.81	U
78-87-5	1,2-Dichloropropane	ND	1.40	2.81	U
75-27-4	Bromodichloromethane	ND	1.40	2.81	U
74-95-3	Dibromomethane	ND	1.40	2.81	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.40	2.81	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.40	2.81	U
108-88-3	Toluene	ND	1.40	2.81	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.40	2.81	U
79-00-5	1,1,2-Trichloroethane	ND	1.40	2.81	U
108-10-1	4-Methyl-2-pentanone	ND	1.40	2.81	U
106-93-4	1,2-Dibromoethane	ND	1.40	2.81	U
591-78-6	2-Hexanone	ND	1.40	2.81	U
142-28-9	1,3-Dichloropropane	ND	1.40	2.81	U
127-18-4	Tetrachloroethene	ND	1.40	2.81	U
124-48-1	Dibromochloromethane	ND	1.40	2.81	U
100-41-4	Ethylbenzene	ND	1.40	2.81	U
108-90-7	Chlorobenzene	ND	1.40	2.81	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.40	2.81	U
108-38-3/106-42	m,p-Xylenes	ND	2.81	5.61	U
95-47-6	o-Xylene	ND	2.81	5.61	U
100-42-5	Styrene	ND	1.40	5.61	U
75-25-2	Bromoform	ND	1.40	2.81	U
98-82-8	Isopropylbenzene	ND	1.40	2.81	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.40	2.81	U
96-18-4	1,2,3-Trichloropropane	ND	1.40	2.81	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Prep Date:	12/23/15 23:47	Matrix:	Soil
Percent Solids:	71.30	Prep Method:	EPA 5035A	File ID:	D13585.D
Prep Batch:	B5L2319	Sequence:	S5L2311	Analyzed:	12/23/15 23:47
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
103-65-1	n-Propyl Benzene	ND	1.40	2.81	U
108-86-1	Bromobenzene	ND	1.40	2.81	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.40	2.81	U
95-49-8	2-Chlorotoluene	ND	1.40	2.81	U
106-43-4	4-Chlorotoluene	ND	1.40	2.81	U
98-06-6	tert-Butylbenzene	ND	1.40	2.81	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.40	2.81	U
135-98-8	sec-Butylbenzene	ND	1.40	2.81	U
99-87-6	p-Isopropyltoluene	1.73	1.40	2.81	J
541-73-1	1,3-Dichlorobenzene	ND	1.40	2.81	U
106-46-7	1,4-Dichlorobenzene	ND	1.40	2.81	U
104-51-8	n-Butyl Benzene	ND	1.40	2.81	U
95-50-1	1,2-Dichlorobenzene	ND	1.40	2.81	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.40	2.81	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.40	2.81	U
87-68-3	Hexachlorobutadiene	ND	1.40	2.81	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.40	2.81	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	111%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	79%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13585.D Vial: 22
Acq On : 23 Dec 2015 23:47 Operator: SG
Sample : 1502323-01 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 11:19 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

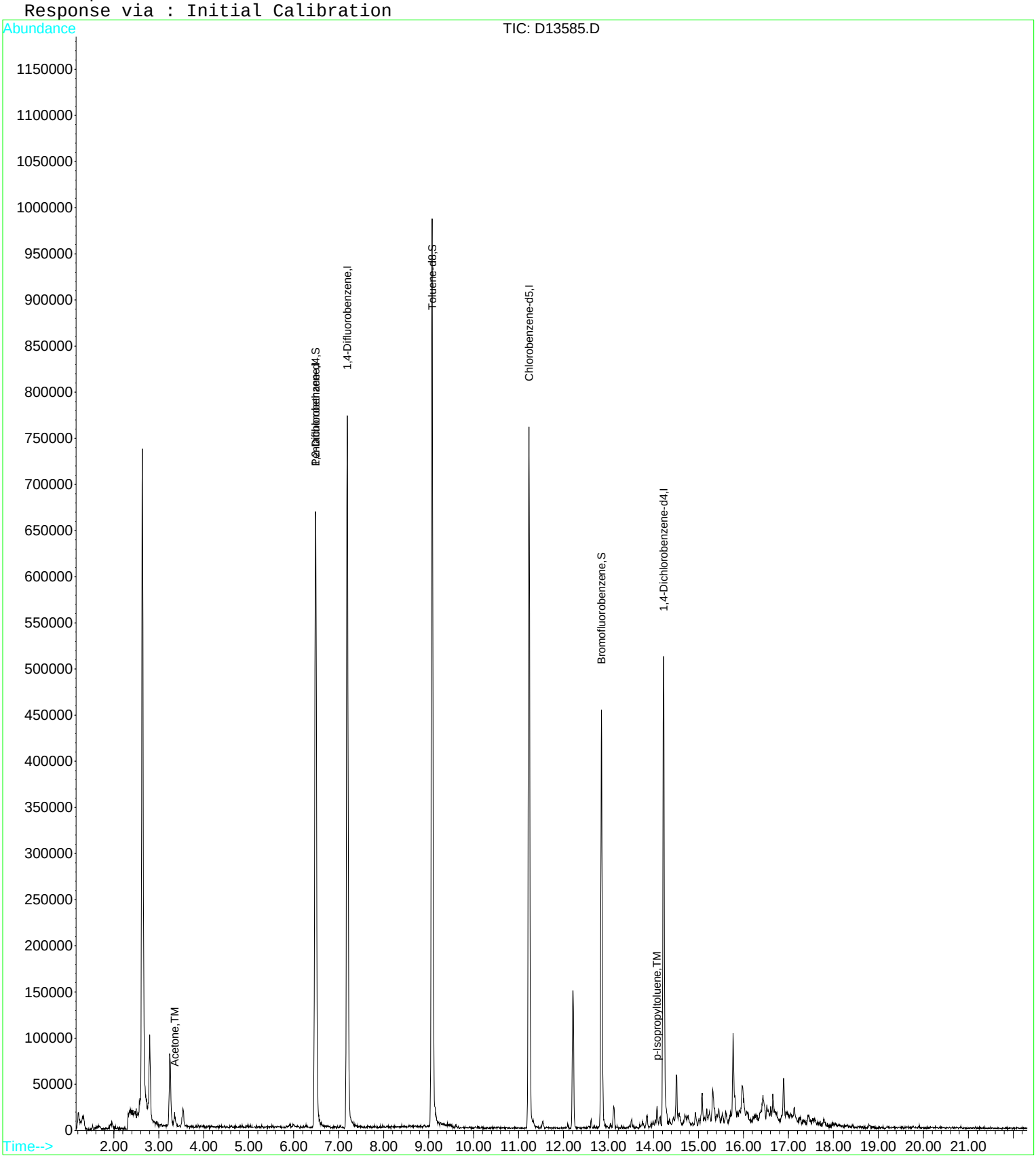
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.49	168	470992	50.00	ug/l	0.01
27) 1,4-Difluorobenzene	7.19	114	872380	50.00	ug/l	0.00
48) Chlorobenzene-d5	11.23	117	612565	50.00	ug/l	0.01
60) 1,4-Dichlorobenzene-d4	14.23	152	191112	50.00	ug/l	0.00
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.48	65	189130	55.31	ug/l	0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 110.62%			
41) Toluene-d8	9.08	98	873223	49.29	ug/l	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.58%			
47) Bromofluorobenzene	12.84	95	203073	39.28	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 78.56%			
Target Compounds						Qvalue
4) Acetone	3.35	43	20668	14.81	ug/l	76
72) p-Isopropyltoluene	14.08	119	17924	1.23	ug/l	94

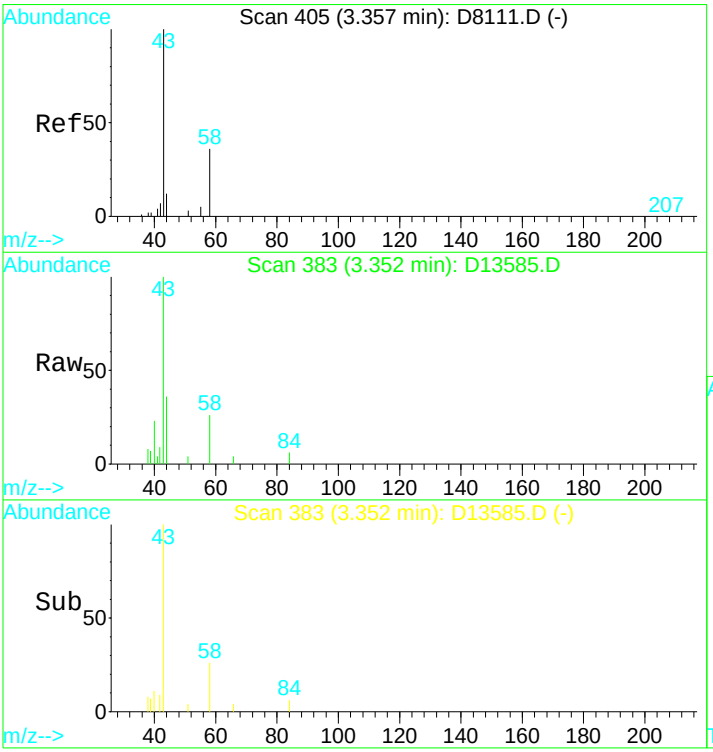
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1223\D13585.D Vial: 22
Acq On : 23 Dec 2015 23:47 Operator: SG
Sample : 1502323-01 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 11:19 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration

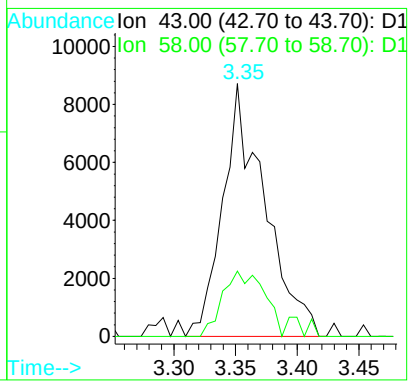


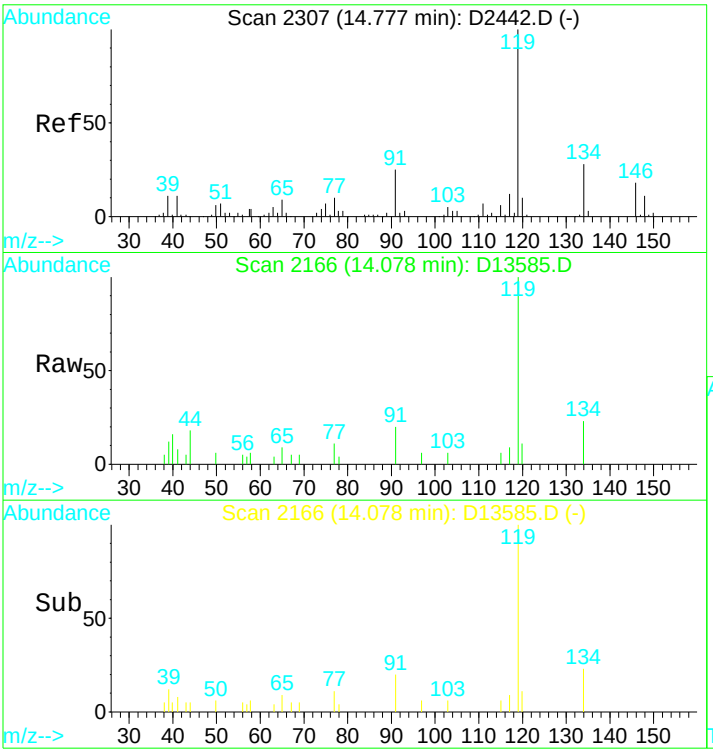


#4
Acetone
Concen: 14.81 ug/l
RT: 3.35 min Scan# 383
Delta R.T. 0.01 min
Lab File: D13585.D
Acq: 23 Dec 2015 23:47

Tgt Ion: 43 Resp: 20668

Ion	Ratio	Lower	Upper
43	100		
58	25.8	20.5	60.5

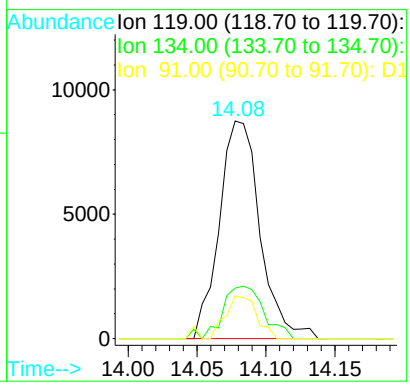




#72
p-Isopropyltoluene
Concen: 1.23 ug/l
RT: 14.08 min Scan# 2166
Delta R.T. -0.00 min
Lab File: D13585.D
Acq: 23 Dec 2015 23:47

Tgt Ion:119 Resp: 17924

Ion	Ratio	Lower	Upper
119	100		
134	23.2	0.0	77.6
91	19.6	0.0	68.8



Accredited Analytical Resources, LLC.

VOLATILES QC DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2319-BLK1	File ID:	D13566.D
Batch:	B5L2319	Prepared:	12/23/15 13:57	Analyzed:	12/23/15 13:57
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5L2311	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	ND	1.00	2.00	U
75-71-8	Dichlorodifluoromethane	ND	1.00	2.00	U
74-87-3	Chloromethane	ND	1.00	2.00	U
75-01-4	Vinyl chloride	ND	1.00	2.00	U
74-83-9	Bromomethane	ND	1.00	2.00	U
75-00-3	Chloroethane	ND	1.00	2.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	2.00	U
75-35-4	1,1-Dichloroethene	ND	1.00	2.00	U
75-15-0	Carbon disulfide	ND	1.00	2.00	U
75-09-2	Methylene Chloride	2.71	1.00	2.00	
156-60-5	trans-1,2-Dichloroethene	ND	1.00	2.00	U
75-34-3	1,1-Dichloroethane	ND	1.00	2.00	U
108-05-4	Vinyl acetate	ND	1.00	2.00	U
590-20-7	2,2-Dichloropropane	ND	1.00	2.00	U
78-93-3	2-Butanone	ND	1.00	2.00	U
156-59-4	cis-1,2-Dichloroethene	ND	1.00	2.00	U
67-66-3	Chloroform	ND	1.00	2.00	U
74-97-5	Bromochloromethane	ND	1.00	2.00	U
71-55-6	1,1,1-Trichloroethane	ND	1.00	2.00	U
563-58-6	1,1-Dichloropropene	ND	1.00	2.00	U
56-23-5	Carbon Tetrachloride	ND	1.00	2.00	U
107-06-2	1,2-Dichloroethane	ND	1.00	2.00	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2319-BLK1	File ID:	D13566.D
Batch:	B5L2319	Prepared:	12/23/15 13:57	Analyzed:	12/23/15 13:57
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5L2311	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
71-43-2	Benzene	ND	1.00	2.00	U
79-01-6	Trichloroethene	ND	1.00	2.00	U
78-87-5	1,2-Dichloropropane	ND	1.00	2.00	U
75-27-4	Bromodichloromethane	ND	1.00	2.00	U
74-95-3	Dibromomethane	ND	1.00	2.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.00	2.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.00	2.00	U
108-88-3	Toluene	ND	1.00	2.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.00	2.00	U
79-00-5	1,1,2-Trichloroethane	ND	1.00	2.00	U
108-10-1	4-Methyl-2-pentanone	ND	1.00	2.00	U
106-93-4	1,2-Dibromoethane	ND	1.00	2.00	U
591-78-6	2-Hexanone	ND	1.00	2.00	U
142-28-9	1,3-Dichloropropane	ND	1.00	2.00	U
127-18-4	Tetrachloroethene	ND	1.00	2.00	U
124-48-1	Dibromochloromethane	ND	1.00	2.00	U
100-41-4	Ethylbenzene	ND	1.00	2.00	U
108-90-7	Chlorobenzene	ND	1.00	2.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.00	2.00	U
108-38-3/106-42-3	m,p-Xylenes	ND	2.00	4.00	U
95-47-6	o-Xylene	ND	2.00	4.00	U
100-42-5	Styrene	ND	1.00	4.00	U
75-25-2	Bromoform	ND	1.00	2.00	U
98-82-8	Isopropylbenzene	ND	1.00	2.00	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Laboratory ID:	B5L2319-BLK1	File ID:	D13566.D
Batch:	B5L2319	Prepared:	12/23/15 13:57	Analyzed:	12/23/15 13:57
Column:	1	Preparation:	EPA 5035A	Dilution:	
		Sequence:	S5L2311	Instrument:	GC/MS D

CAS NO.	COMPOUND	CONC. (ug/kg wet)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane	ND	1.00	2.00	U
103-65-1	n-Propyl Benzene	ND	1.00	2.00	U
108-86-1	Bromobenzene	ND	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.00	2.00	U
95-49-8	2-Chlorotoluene	ND	1.00	2.00	U
106-43-4	4-Chlorotoluene	ND	1.00	2.00	U
98-06-6	tert-Butylbenzene	ND	1.00	2.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.00	2.00	U
135-98-8	sec-Butylbenzene	ND	1.00	2.00	U
99-87-6	p-Isopropyltoluene	ND	1.00	2.00	U
541-73-1	1,3-Dichlorobenzene	ND	1.00	2.00	U
106-46-7	1,4-Dichlorobenzene	ND	1.00	2.00	U
104-51-8	n-Butyl Benzene	ND	1.00	2.00	U
95-50-1	1,2-Dichlorobenzene	ND	1.00	2.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.00	2.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.00	2.00	U
87-68-3	Hexachlorobutadiene	ND	1.00	2.00	U
91-20-3	Naphthalene	ND	1.00	2.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.00	2.00	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	102%	70-130
Toluene-d8	102%	70-130
Bromofluorobenzene	98%	70-130

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* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13566.D Vial: 3
Acq On : 23 Dec 2015 13:57 Operator: SG
Sample : B5L2319-BLK1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 9:10 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

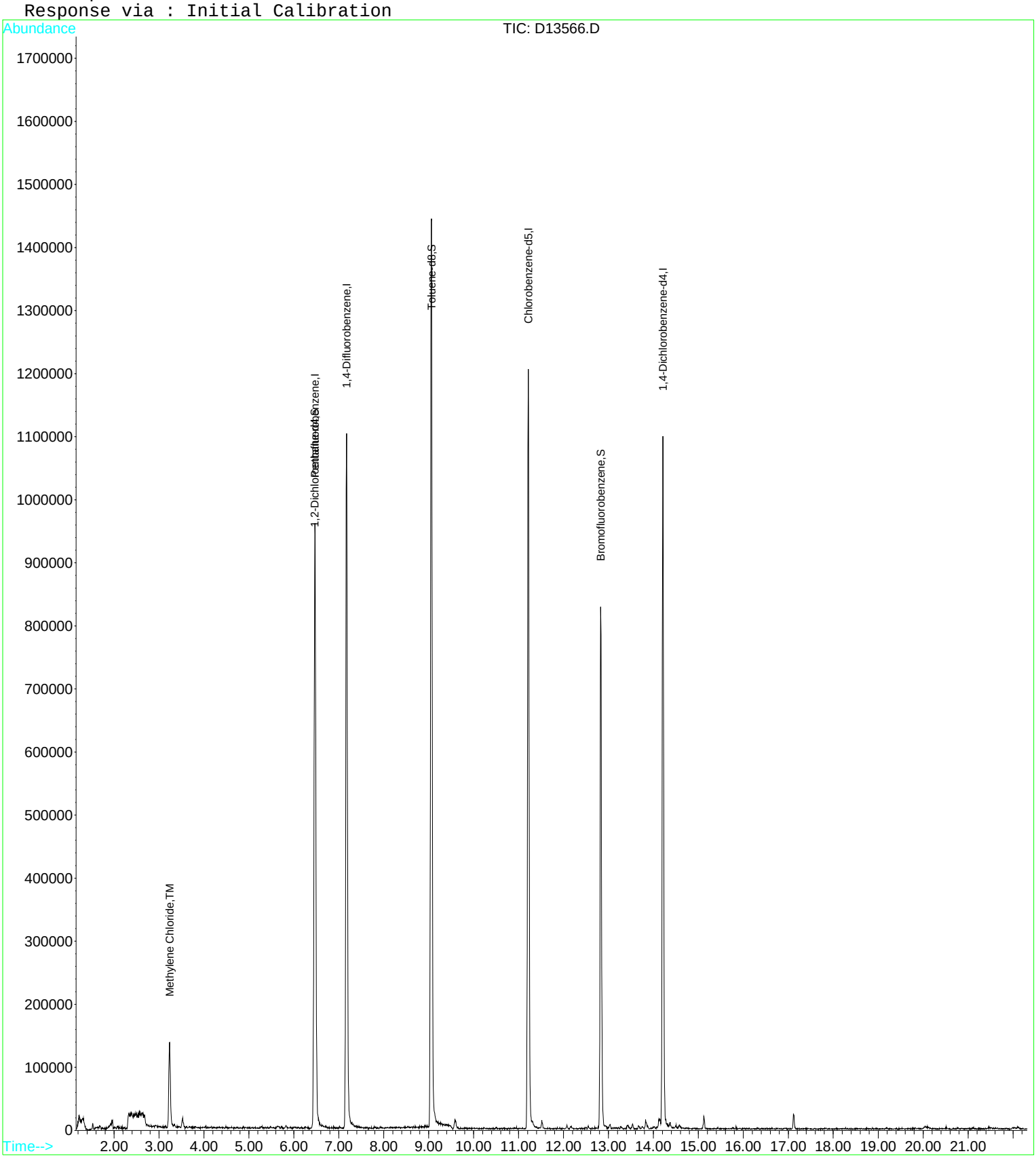
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.47	168	706240	50.00	ug/l	0.00
27) 1,4-Difluorobenzene	7.17	114	1268218	50.00	ug/l	-0.01
48) Chlorobenzene-d5	11.21	117	976039	50.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	14.21	152	400217	50.00	ug/l	-0.01
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.46	65	254282	51.15	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.30%			
41) Toluene-d8	9.06	98	1314615	51.05	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 102.10%			
47) Bromofluorobenzene	12.83	95	369078	49.10	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.20%			
Target Compounds						Qvalue
15) Methylene Chloride	3.24	49	121003	2.71	ug/l	92

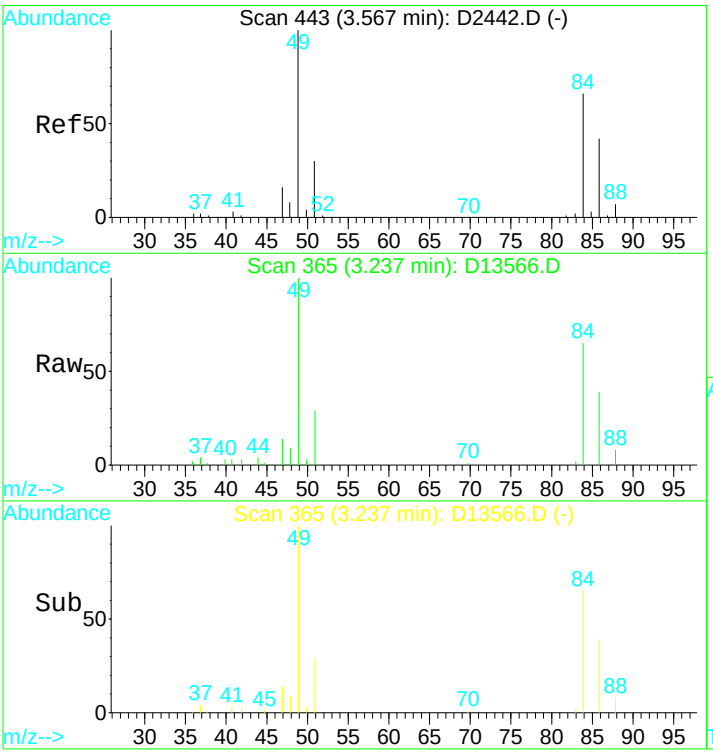
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1223\D13566.D Vial: 3
Acq On : 23 Dec 2015 13:57 Operator: SG
Sample : B5L2319-BLK1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 9:10 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration

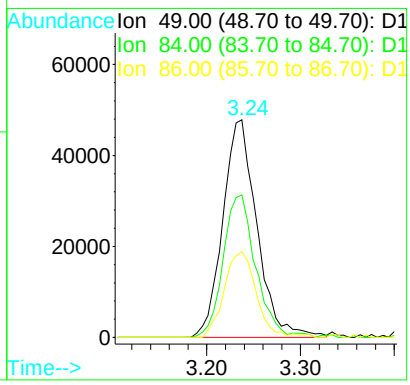




#15
Methylene Chloride
Concen: 2.71 ug/l
RT: 3.24 min Scan# 365
Delta R.T. -0.00 min
Lab File: D13566.D
Acq: 23 Dec 2015 13:57

Tgt Ion: 49 Resp: 121003

Ion	Ratio	Lower	Upper
49	100		
84	65.4	30.7	110.7
86	39.4	6.5	86.5



Accredited Analytical Resources, LLC.

VOLATILES QC SUMMARY

Accredited Analytical Resources, LLC.

SYSTEM MONITORING COMPOUND SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix: Solid
Instrument: GC/MS D

Lab Sample ID:	1,2-DCE-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
1502323-01	111	79	99
B5L2319-BLK1	102	98	102
B5L2319-BS1	107	106	104
B5L2319-MS1	108	113	108
B5L2319-MSD1	111	110	104

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2319	Prep Method:	EPA 5035A
Percent Solids:	71.30	Laboratory ID:	B5L2319-MS1
		Client Sample ID:	1502322-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Acrolein	351	ND	251	72	40 - 160
Acrylonitrile	351	ND	289	83	70 - 130
Acetone	70.1	ND	56.4	80	40 - 160
Dichlorodifluoromethane	70.1	ND	41.9	60	40 - 160
Chloromethane	70.1	ND	50.0	71	40 - 160
Vinyl chloride	70.1	ND	52.8	75	70 - 130
Bromomethane	70.1	ND	55.8	80	40 - 160
Chloroethane	70.1	ND	55.5	79	40 - 160
Trichlorofluoromethane	70.1	ND	59.2	84	40 - 160
Freon 113	70.1	ND	52.3	75	70 - 130
1,1-Dichloroethene	70.1	ND	60.6	86	70 - 130
Carbon disulfide	70.1	ND	68.2	97	70 - 130
Methyl Acetate	70.1	ND	65.3	93	70 - 130
Methylene Chloride	70.1	ND	68.8	98	70 - 130
trans-1,2-Dichloroethene	70.1	ND	61.2	87	70 - 130
1,1-Dichloroethane	70.1	ND	65.1	93	70 - 130
2,2-Dichloropropane	70.1	ND	65.1	93	70 - 130
2-Butanone	70.1	ND	54.2	77	40 - 160
cis-1,2-Dichloroethene	70.1	ND	63.2	90	70 - 130
Chloroform	70.1	ND	67.1	96	70 - 130
Bromochloromethane	70.1	ND	67.2	96	70 - 130
Cyclohexane	70.1	ND	55.2	79	70 - 130
1,1,1-Trichloroethane	70.1	ND	64.5	92	70 - 130
t-Butyl alcohol	701	ND	649	93	40 - 160
1,1-Dichloropropene	70.1	ND	63.5	91	70 - 130
Carbon Tetrachloride	70.1	ND	65.4	93	70 - 130
1,2-Dichloroethane	70.1	ND	69.7	99	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2319	Prep Method:	EPA 5035A
Percent Solids:	71.30	Laboratory ID:	B5L2319-MS1
		Client Sample ID:	1502322-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
Benzene	70.1	ND	64.6	92	70 - 130
Trichloroethene	70.1	ND	64.8	92	70 - 130
Methylcyclohexane	70.1	ND	55.7	79	70 - 130
1,2-Dichloropropane	70.1	ND	66.1	94	70 - 130
Bromodichloromethane	70.1	ND	66.0	94	70 - 130
Dibromomethane	70.1	ND	71.5	102	70 - 130
2-Chloroethyl vinyl ether	70.1	ND	65.5	93	40 - 160
cis-1,3-Dichloropropene	70.1	ND	69.1	99	70 - 130
Toluene	70.1	ND	67.8	97	70 - 130
trans-1,3-Dichloropropene	70.1	ND	70.1	100	70 - 130
1,1,2-Trichloroethane	70.1	ND	67.9	97	70 - 130
4-Methyl-2-pentanone	70.1	ND	66.3	95	40 - 160
1,2-Dibromoethane	70.1	ND	71.4	102	70 - 130
2-Hexanone	70.1	ND	57.9	83	40 - 160
1,3-Dichloropropane	70.1	ND	65.4	93	70 - 130
Tetrachloroethene	70.1	ND	63.9	91	70 - 130
Dibromochloromethane	70.1	ND	66.5	95	70 - 130
Ethylbenzene	70.1	ND	63.1	90	70 - 130
Chlorobenzene	70.1	ND	62.2	89	70 - 130
1,1,1,2-Tetrachloroethane	70.1	ND	64.2	92	70 - 130
m,p-Xylenes	140	ND	125	89	70 - 130
o-Xylene	140	ND	122	87	70 - 130
Styrene	140	ND	124	88	70 - 130
Bromoform	70.1	ND	63.5	91	70 - 130
Isopropylbenzene	70.1	ND	61.0	87	70 - 130
1,1,2,2-Tetrachloroethane	70.1	ND	63.8	91	70 - 130
1,2,3-Trichloropropane	70.1	ND	63.2	90	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2319	Prep Method:	EPA 5035A
Percent Solids:	71.30	Laboratory ID:	B5L2319-MS1
		Client Sample ID:	1502322-01

ANALYTE	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC.	QC LIMITS REC.
n-Propyl Benzene	70.1	ND	58.9	84	70 - 130
Bromobenzene	70.1	ND	59.4	85	70 - 130
1,3,5-Trimethylbenzene	70.1	ND	59.7	85	70 - 130
2-Chlorotoluene	70.1	ND	59.1	84	70 - 130
4-Chlorotoluene	70.1	ND	60.2	86	70 - 130
tert-Butylbenzene	70.1	ND	59.0	84	70 - 130
1,2,4-Trimethylbenzene	70.1	ND	60.7	87	70 - 130
sec-Butylbenzene	70.1	ND	59.7	85	70 - 130
p-Isopropyltoluene	70.1	ND	60.2	86	70 - 130
1,3-Dichlorobenzene	70.1	ND	59.0	84	70 - 130
1,4-Dichlorobenzene	70.1	ND	60.9	87	70 - 130
n-Butyl Benzene	70.1	ND	58.4	83	70 - 130
1,2-Dichlorobenzene	70.1	ND	62.0	88	70 - 130
1,2-Dibromo-3-chloropropane	70.1	ND	63.5	90	40 - 160
1,2,4-Trichlorobenzene	70.1	ND	64.8	92	70 - 130
Hexachlorobutadiene	70.1	ND	58.6	83	70 - 130
Naphthalene	70.1	ND	66.3	94	40 - 160
1,2,3-Trichlorobenzene	70.1	ND	64.5	92	70 - 130
Methyl tert-Butyl Ether	140	ND	108	77	70 - 130

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13568.D Vial: 5
Acq On : 23 Dec 2015 15:09 Operator: SG
Sample : B5L2319-MS1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 23 15:31 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.47	168	651593	50.00	ug/l	0.00
27) 1,4-Difluorobenzene	7.17	114	1136307	50.00	ug/l	-0.01
48) Chlorobenzene-d5	11.22	117	940546	50.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	14.21	152	418173	50.00	ug/l	-0.01
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.46	65	240458	53.98	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.96%			
41) Toluene-d8	9.06	98	1248475	54.11	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 108.22%			
47) Bromofluorobenzene	12.83	95	381131	56.59	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 113.18%			
Target Compounds						Qvalue
2) Acrolein	2.96	56	23987	179.06	ug/l	94
3) Acrylonitrile	4.39	53	260174	206.40	ug/l	93
4) Acetone	3.33	43	65459	40.22	ug/l	90
5) Dichlorodifluoromethane	1.34	85	193138	29.84	ug/l	98
6) Chloromethane	1.50	50	523278	35.64	ug/l	100
7) Vinyl Chloride	1.56	62	578605	37.65	ug/l	98
8) Bromomethane	1.84	94	383971	39.81	ug/l	98
9) Chloroethane	1.94	64	535394	39.58	ug/l	98
10) Trichoroflouromethane	2.05	101	493591	42.23	ug/l	100
11) Freon-113	2.61	101	380501	37.29	ug/l	98
12) 1,1-Dichloroethene	2.55	61	608504	43.20	ug/l	88
13) Carbon disulfide	2.56	76	1076405	48.63	ug/l	97
14) Methyl Acetate	3.50	43	156363	46.59	ug/l	96
15) Methylene Chloride	3.23	49	566811	49.05	ug/l	96
16) trans-1,2-Dichloroethene	3.41	61	535155	43.65	ug/l	90
17) 1,1-Dichloroethane	4.27	63	721233	46.41	ug/l	98
18) Vinyl acetate	4.73	43	474929	43.67	ug/l	97
19) 2,2-Dichloropropane	5.19	77	467396	46.41	ug/l	91
20) 2-Butanone	5.97	43	87308	38.67	ug/l	85
21) cis-1,2-Dichloroethene	5.06	61	512527	45.08	ug/l	87
22) Chloroform	5.49	83	516344	47.86	ug/l	98
23) Bromochloromethane	5.33	130	187136	47.90	ug/l	99
24) Cyclohexane	5.28	56	743793	39.38	ug/l	88
25) 1,1,1-Trichloroethane	5.71	97	380740	45.96	ug/l	90
26) T-butyl alcohol	3.86	59	152071	462.87	ug/l	89
29) 1,1-Dichloropropene	5.89	110	176186	45.26	ug/l	94
30) Carbon Tetrachloride	5.60	117	327684	46.65	ug/l	100
31) 1,2-Dichloroethane	6.55	62	270159	49.73	ug/l	90
32) Benzene	6.25	78	1368234	46.05	ug/l	94
33) Trichloroethene	7.08	95	311060	46.19	ug/l	99
34) Methylcyclohexane	7.02	83	573759	39.69	ug/l	89
35) 1,2-Dichloropropane	7.80	63	376763	47.15	ug/l	100
37) Bromodichloromethane	7.93	83	319305	47.06	ug/l	96
38) Dibromomethane	7.66	174	139694	50.98	ug/l	97
39) 2-Chloroethylvinylether	8.80	63	140664	46.72	ug/l	97
40) cis-1,3-dichloropropene	8.82	75	489168	49.25	ug/l	96
42) Toluene	9.13	91	1369030	48.31	ug/l	96
43) trans-1,3-Dichloropropene	9.76	75	360154	49.99	ug/l	96
44) 1,1,2-Trichloroethane	9.97	97	192841	48.39	ug/l	98
45) 4-Methyl-2-pentanone	9.73	43	181807	47.30	ug/l	96
46) 1,2-Dibromoethane	10.49	107	196018	50.91	ug/l	90
49) 2-Hexanone	10.93	43	131965	41.26	ug/l	97
50) 1,3-dichloropropane	10.34	76	375507	46.60	ug/l	93
51) Tetrachloroethene	9.64	166	349302	45.55	ug/l	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13568.D Vial: 5
Acq On : 23 Dec 2015 15:09 Operator: SG
Sample : B5L2319-MS1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 23 15:31 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

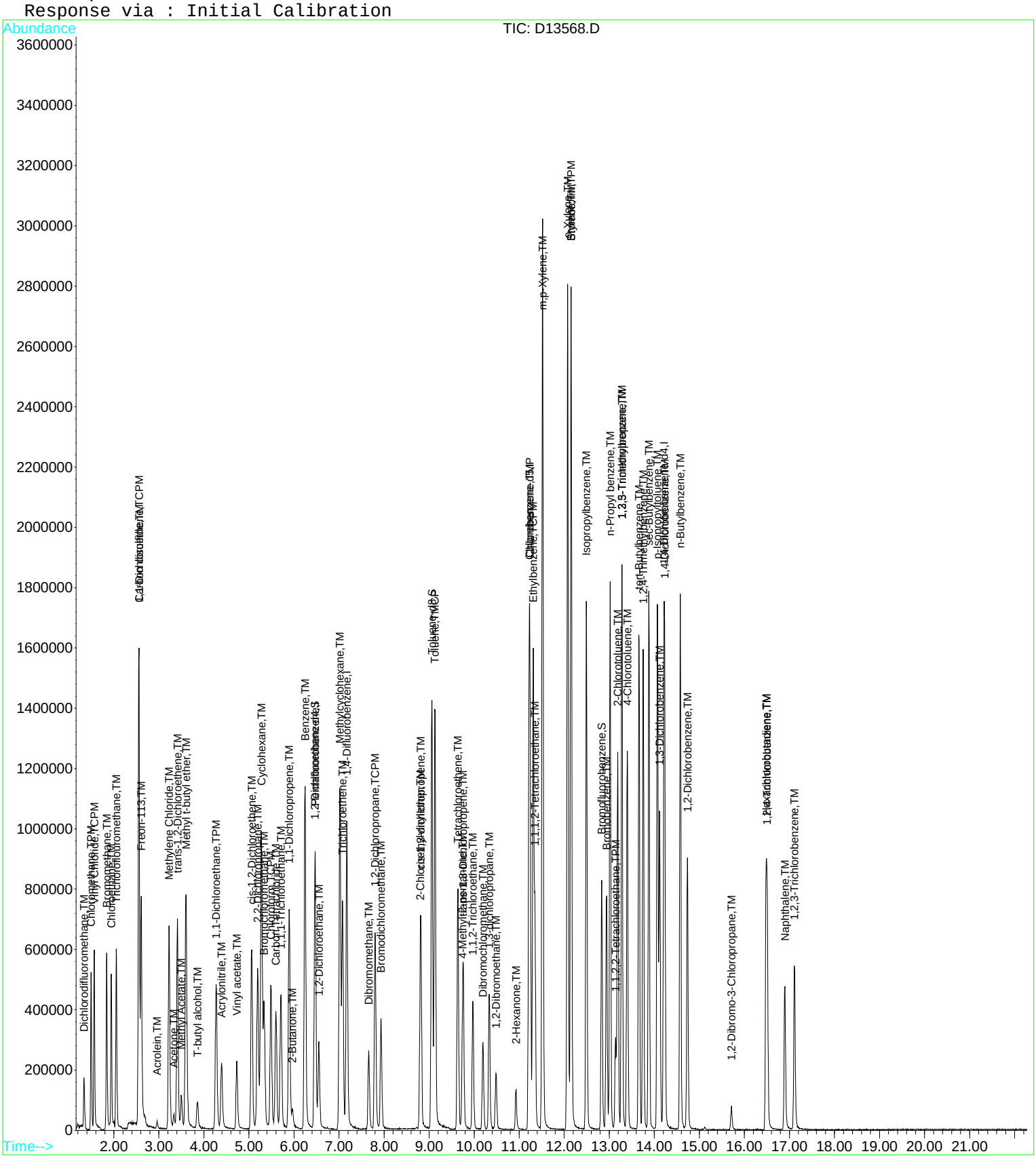
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52) Dibromochloromethane	10.20	129	224025	47.45	ug/l		95
53) Ethylbenzene	11.31	91	1469021	45.00	ug/l		97
54) Chlorobenzene	11.24	112	852327	44.36	ug/l		97
55) 1,1,1,2-Tetrachloroethane	11.35	131	251108	45.77	ug/l		97
56) m,p-Xylene	11.52	91	2099414	89.21	ug/l		98
57) o-Xylene	12.07	91	1987298	87.28	ug/l		98
58) Styrene	12.15	104	1735326	88.18	ug/l		98
59) Bromoform	12.16	173	102890	45.31	ug/l		88
61) Isopropylbenzene	12.49	105	1541713	43.50	ug/l		99
62) 1,1,2,2-Tetrachloroethane	13.14	83	216458	45.52	ug/l		97
63) 1,2,3-Trichloropropane	13.28	75	159391	45.07	ug/l		98
64) n-Propyl benzene	13.02	91	1776301	42.01	ug/l		95
65) Bromobenzene	12.94	77	470326	42.32	ug/l		96
66) 1,3,5-Trimethylbenzene	13.28	105	1107984	42.59	ug/l		100
67) 2-Chlorotoluene	13.19	91	894307	42.12	ug/l		94
68) 4-Chlorotoluene	13.40	91	926211	42.95	ug/l		90
69) tert-Butylbenzene	13.66	119	1054946	42.10	ug/l		96
70) 1,2,4-Trimethylbenzene	13.75	105	1107853	43.28	ug/l		98
71) sec-Butylbenzene	13.88	105	1666033	42.55	ug/l		100
72) p-Isopropyltoluene	14.07	119	1368871	42.89	ug/l		99
73) 1,3-Dichlorobenzene	14.12	146	599246	42.07	ug/l		100
74) 1,4-Dichlorobenzene	14.23	146	600271	43.41	ug/l		99
75) n-Butylbenzene	14.58	91	1253215	41.67	ug/l		93
76) 1,2-Dichlorobenzene	14.73	146	522258	44.19	ug/l		99
77) 1,2-Dibromo-3-Chloropropan	15.71	157	30782	45.24	ug/l	#	83
78) 1,2,4-Trichlorobenzene	16.51	180	320112	46.18	ug/l		94
79) Hexachlorobutadiene	16.48	225	170675	41.75	ug/l		99
80) Naphthalene	16.90	128	579056	47.25	ug/l		100
81) 1,2,3-Trichlorobenzene	17.11	180	260187	46.02	ug/l		97
82) Methyl t-butyl ether	3.60	73	1052440	77.34	ug/l		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1223\D13568.D Vial: 5
Acq On : 23 Dec 2015 15:09 Operator: SG
Sample : B5L2319-MS1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 23 15:31 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2319	Prep Method:	EPA 5035A
Percent Solids:	71.30	Laboratory ID:	B5L2319-MSD1
		Client Sample ID:	1502322-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Acrolein	351	263	75	5	30	40 - 160
Acrylonitrile	351	303	87	5	30	70 - 130
Acetone	70.1	55.9	80	0.9	30	40 - 160
Dichlorodifluoromethane	70.1	34.5	49	19	30	40 - 160
Chloromethane	70.1	46.5	66	7	30	40 - 160
Vinyl chloride	70.1	52.5	75	0.7	30	70 - 130
Bromomethane	70.1	55.0	78	2	30	40 - 160
Chloroethane	70.1	52.6	75	5	30	40 - 160
Trichlorofluoromethane	70.1	53.2	76	11	30	40 - 160
Freon 113	70.1	49.0	70	6	30	70 - 130
1,1-Dichloroethene	70.1	58.8	84	3	30	70 - 130
Carbon disulfide	70.1	63.2	90	8	30	70 - 130
Methyl Acetate	70.1	72.1	103	10	30	70 - 130
Methylene Chloride	70.1	67.4	96	2	30	70 - 130
trans-1,2-Dichloroethene	70.1	59.3	85	3	30	70 - 130
1,1-Dichloroethane	70.1	62.2	89	5	30	70 - 130
2,2-Dichloropropane	70.1	61.7	88	5	30	70 - 130
2-Butanone	70.1	60.1	86	10	30	40 - 160
cis-1,2-Dichloroethene	70.1	62.1	89	2	30	70 - 130
Chloroform	70.1	63.4	90	6	30	70 - 130
Bromochloromethane	70.1	65.5	93	3	30	70 - 130
Cyclohexane	70.1	52.1	74	6	30	70 - 130
1,1,1-Trichloroethane	70.1	62.1	89	4	30	70 - 130
t-Butyl alcohol	701	660	94	2	30	40 - 160
1,1-Dichloropropene	70.1	59.9	85	6	30	70 - 130
Carbon Tetrachloride	70.1	60.3	86	8	30	70 - 130
1,2-Dichloroethane	70.1	65.4	93	6	30	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2319	Prep Method:	EPA 5035A
Percent Solids:	71.30	Laboratory ID:	B5L2319-MSD1
		Client Sample ID:	1502322-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Benzene	70.1	60.3	86	7	30	70 - 130
Trichloroethene	70.1	59.8	85	8	30	70 - 130
Methylcyclohexane	70.1	51.6	74	8	30	70 - 130
1,2-Dichloropropane	70.1	62.3	89	6	30	70 - 130
Bromodichloromethane	70.1	62.2	89	6	30	70 - 130
Dibromomethane	70.1	69.4	99	3	30	70 - 130
2-Chloroethyl vinyl ether	70.1	64.5	92	2	30	40 - 160
cis-1,3-Dichloropropene	70.1	63.7	91	8	30	70 - 130
Toluene	70.1	59.7	85	13	30	70 - 130
trans-1,3-Dichloropropene	70.1	65.0	93	8	30	70 - 130
1,1,2-Trichloroethane	70.1	63.5	91	7	30	70 - 130
4-Methyl-2-pentanone	70.1	67.7	97	2	30	40 - 160
1,2-Dibromoethane	70.1	65.8	94	8	30	70 - 130
2-Hexanone	70.1	58.6	84	1	30	40 - 160
1,3-Dichloropropane	70.1	63.8	91	2	30	70 - 130
Tetrachloroethene	70.1	57.6	82	10	30	70 - 130
Dibromochloromethane	70.1	64.0	91	4	30	70 - 130
Ethylbenzene	70.1	57.5	82	9	30	70 - 130
Chlorobenzene	70.1	58.9	84	6	30	70 - 130
1,1,1,2-Tetrachloroethane	70.1	60.9	87	5	30	70 - 130
m,p-Xylenes	140	113	81	10	30	70 - 130
o-Xylene	140	113	81	8	30	70 - 130
Styrene	140	114	81	8	30	70 - 130
Bromoform	70.1	65.8	94	3	30	70 - 130
Isopropylbenzene	70.1	57.8	82	5	30	70 - 130
1,1,2,2-Tetrachloroethane	70.1	65.5	93	2	30	70 - 130
1,2,3-Trichloropropane	70.1	65.8	94	4	30	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Analysis Method:	EPA 8260
Prep Batch:	B5L2319	Prep Method:	EPA 5035A
Percent Solids:	71.30	Laboratory ID:	B5L2319-MSD1
		Client Sample ID:	1502322-01

ANALYTE	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
n-Propyl Benzene	70.1	56.4	80	4	30	70 - 130
Bromobenzene	70.1	59.2	84	0.3	30	70 - 130
1,3,5-Trimethylbenzene	70.1	57.8	82	3	30	70 - 130
2-Chlorotoluene	70.1	57.0	81	4	30	70 - 130
4-Chlorotoluene	70.1	57.2	82	5	30	70 - 130
tert-Butylbenzene	70.1	56.5	81	4	30	70 - 130
1,2,4-Trimethylbenzene	70.1	58.1	83	4	30	70 - 130
sec-Butylbenzene	70.1	56.9	81	5	30	70 - 130
p-Isopropyltoluene	70.1	56.4	80	6	30	70 - 130
1,3-Dichlorobenzene	70.1	58.0	83	2	30	70 - 130
1,4-Dichlorobenzene	70.1	57.9	83	5	30	70 - 130
n-Butyl Benzene	70.1	54.7	78	7	30	70 - 130
1,2-Dichlorobenzene	70.1	59.5	85	4	30	70 - 130
1,2-Dibromo-3-chloropropane	70.1	64.5	92	2	30	40 - 160
1,2,4-Trichlorobenzene	70.1	59.9	85	8	30	70 - 130
Hexachlorobutadiene	70.1	53.1	76	10	30	70 - 130
Naphthalene	70.1	63.0	90	5	30	40 - 160
1,2,3-Trichlorobenzene	70.1	57.3	82	12	30	70 - 130
Methyl tert-Butyl Ether	140	113	80	4	30	70 - 130

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13569.D Vial: 6
Acq On : 23 Dec 2015 15:38 Operator: SG
Sample : B5L2319-MSD1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 9:15 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.47	168	615017	50.00	ug/l	0.00
27) 1,4-Difluorobenzene	7.18	114	1110593	50.00	ug/l	0.00
48) Chlorobenzene-d5	11.22	117	906740	50.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	14.21	152	385932	50.00	ug/l	-0.01
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.46	65	242526	55.71	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 111.42%			
41) Toluene-d8	9.06	98	1169722	51.87	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.74%			
47) Bromofluorobenzene	12.83	95	361276	54.89	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 109.78%			
Target Compounds						Qvalue
2) Acrolein	2.97	56	23718	187.58	ug/l	82
3) Acrylonitrile	4.40	53	257295	216.26	ug/l	97
4) Acetone	3.33	43	61298	39.86	ug/l	98
5) Dichlorodifluoromethane	1.35	85	150222	24.59	ug/l	97
6) Chloromethane	1.50	50	459824	33.18	ug/l	99
7) Vinyl Chloride	1.57	62	542457m	37.40	ug/l	
8) Bromomethane	1.85	94	356851	39.20	ug/l	100
9) Chloroethane	1.95	64	478579	37.49	ug/l	93
10) Trichoroflouromethane	2.06	101	418746	37.96	ug/l	91
11) Freon-113	2.61	101	336609	34.95	ug/l	99
12) 1,1-Dichloroethene	2.56	61	556904	41.89	ug/l	89
13) Carbon disulfide	2.56	76	942114	45.09	ug/l	94
14) Methyl Acetate	3.51	43	162745	51.38	ug/l	98
15) Methylene Chloride	3.23	49	525584	48.04	ug/l	91
16) trans-1,2-Dichloroethene	3.42	61	488901	42.25	ug/l	93
17) 1,1-Dichloroethane	4.28	63	650697	44.36	ug/l	99
18) Vinyl acetate	4.73	43	416537	40.58	ug/l	99
19) 2,2-Dichloropropane	5.20	77	417876	43.96	ug/l	94
20) 2-Butanone	5.96	43	91290	42.84	ug/l	95
21) cis-1,2-Dichloroethene	5.07	61	475139	44.28	ug/l	92
22) Chloroform	5.49	83	460185	45.19	ug/l	99
23) Bromochloromethane	5.34	130	172237	46.71	ug/l	98
24) Cyclohexane	5.28	56	662344	37.15	ug/l	88
25) 1,1,1-Trichloroethane	5.72	97	346228	44.28	ug/l	91
26) T-butyl alcohol	3.86	59	145837	470.29	ug/l	99
29) 1,1-Dichloropropene	5.90	110	162461	42.70	ug/l	97
30) Carbon Tetrachloride	5.60	117	295103	42.98	ug/l	94
31) 1,2-Dichloroethane	6.56	62	247731	46.65	ug/l	89
32) Benzene	6.24	78	1247636	42.96	ug/l	97
33) Trichloroethene	7.07	95	280687	42.65	ug/l	94
34) Methylcyclohexane	7.02	83	519467	36.76	ug/l	91
35) 1,2-Dichloropropane	7.80	63	347013	44.43	ug/l	96
37) Bromodichloromethane	7.94	83	294166	44.36	ug/l	96
38) Dibromomethane	7.66	174	132440	49.45	ug/l	92
39) 2-Chloroethylvinylether	8.80	63	135311	45.98	ug/l	99
40) cis-1,3-dichloropropene	8.82	75	441164	45.44	ug/l	96
42) Toluene	9.13	91	1178898	42.56	ug/l	95
43) trans-1,3-Dichloropropene	9.75	75	326306	46.34	ug/l	91
44) 1,1,2-Trichloroethane	9.97	97	176317	45.26	ug/l	99
45) 4-Methyl-2-pentanone	9.73	43	181421	48.29	ug/l	90
46) 1,2-Dibromoethane	10.49	107	176467	46.90	ug/l	95
49) 2-Hexanone	10.92	43	128918	41.81	ug/l	90
50) 1,3-dichloropropane	10.34	76	353605	45.52	ug/l	97
51) Tetrachloroethene	9.64	166	303864	41.10	ug/l	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13569.D Vial: 6
Acq On : 23 Dec 2015 15:38 Operator: SG
Sample : B5L2319-MSD1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 9:15 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

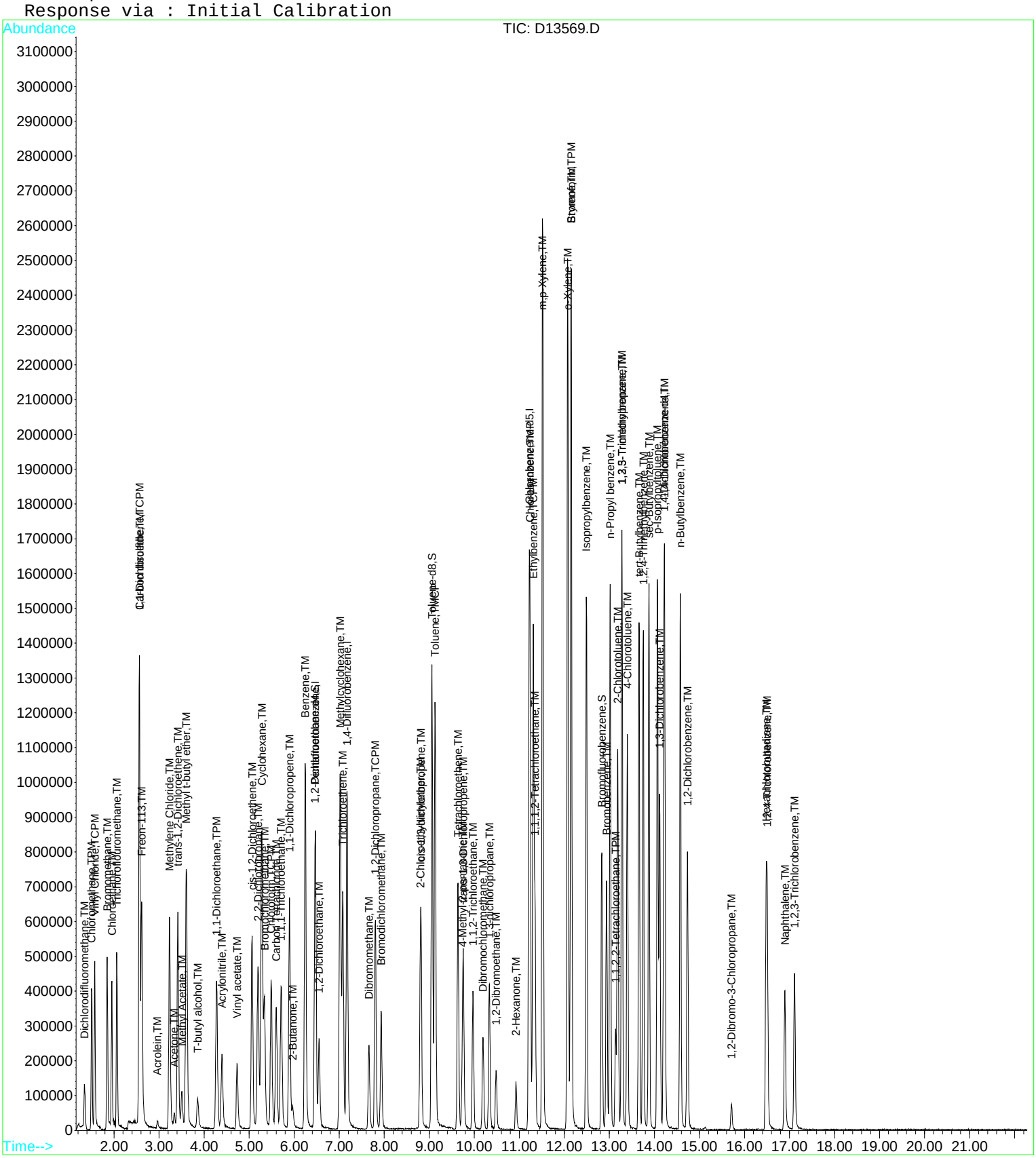
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Dibromochloromethane	10.19	129	207692	45.63	ug/l	97
53) Ethylbenzene	11.31	91	1290618	41.01	ug/l	100
54) Chlorobenzene	11.24	112	777386	41.97	ug/l	98
55) 1,1,1,2-Tetrachloroethane	11.35	131	229828	43.45	ug/l	90
56) m,p-Xylene	11.51	91	1833386	80.81	ug/l	99
57) o-Xylene	12.07	91	1773989	80.82	ug/l	98
58) Styrene	12.15	104	1545729	81.47	ug/l	97
59) Bromoform	12.15	173	102705	46.91	ug/l	86
61) Isopropylbenzene	12.49	105	1348085	41.21	ug/l	100
62) 1,1,2,2-Tetrachloroethane	13.14	83	204808	46.67	ug/l	100
63) 1,2,3-Trichloropropane	13.28	75	153108	46.91	ug/l	97
64) n-Propyl benzene	13.02	91	1568900	40.21	ug/l	94
65) Bromobenzene	12.93	77	432793	42.19	ug/l	99
66) 1,3,5-Trimethylbenzene	13.28	105	988880	41.19	ug/l	99
67) 2-Chlorotoluene	13.18	91	796045	40.62	ug/l	95
68) 4-Chlorotoluene	13.40	91	811133	40.76	ug/l	91
69) tert-Butylbenzene	13.66	119	931099	40.26	ug/l	98
70) 1,2,4-Trimethylbenzene	13.75	105	979527	41.46	ug/l	99
71) sec-Butylbenzene	13.88	105	1466483	40.58	ug/l	99
72) p-Isopropyltoluene	14.07	119	1184786	40.22	ug/l	98
73) 1,3-Dichlorobenzene	14.11	146	543363	41.34	ug/l	98
74) 1,4-Dichlorobenzene	14.23	146	526518	41.26	ug/l	99
75) n-Butylbenzene	14.58	91	1083057	39.02	ug/l	94
76) 1,2-Dichlorobenzene	14.73	146	462630	42.41	ug/l	100
77) 1,2-Dibromo-3-Chloropropan	15.71	157	28891	46.01	ug/l	99
78) 1,2,4-Trichlorobenzene	16.51	180	273249	42.71	ug/l	96
79) Hexachlorobutadiene	16.48	225	142855	37.87	ug/l	94
80) Naphthalene	16.90	128	508253	44.94	ug/l	98
81) 1,2,3-Trichlorobenzene	17.11	180	213215	40.86	ug/l	98
82) Methyl t-butyl ether	3.61	73	1009066	80.34	ug/l	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1223\D13569.D Vial: 6
Acq On : 23 Dec 2015 15:38 Operator: SG
Sample : B5L2319-MSD1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 9:15 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5L2319	Lab Sample ID:	B5L2319-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Acrolein	250	204	82	40 - 160
Acrylonitrile	250	233	93	70 - 130
Acetone	50.0	44.6	89	40 - 160
Dichlorodifluoromethane	50.0	34.6	69	40 - 160
Chloromethane	50.0	40.6	81	40 - 160
Vinyl chloride	50.0	42.1	84	70 - 130
Bromomethane	50.0	45.8	92	40 - 160
Chloroethane	50.0	44.3	89	40 - 160
Trichlorofluoromethane	50.0	45.3	91	40 - 160
Freon 113	50.0	44.1	88	70 - 130
1,1-Dichloroethene	50.0	51.5	103	70 - 130
Carbon disulfide	50.0	58.0	116	70 - 130
Methyl Acetate	50.0	54.3	109	70 - 130
Methylene Chloride	50.0	63.6	127	70 - 130
trans-1,2-Dichloroethene	50.0	51.1	102	70 - 130
1,1-Dichloroethane	50.0	53.4	107	70 - 130
2,2-Dichloropropane	50.0	52.3	105	70 - 130
2-Butanone	50.0	45.5	91	40 - 160
cis-1,2-Dichloroethene	50.0	52.7	105	70 - 130
Chloroform	50.0	53.6	107	70 - 130
Bromochloromethane	50.0	53.4	107	70 - 130
Cyclohexane	50.0	47.6	95	70 - 130
1,1,1-Trichloroethane	50.0	53.6	107	70 - 130
t-Butyl alcohol	500	541	108	40 - 160
1,1-Dichloropropene	50.0	53.2	106	70 - 130
Carbon Tetrachloride	50.0	55.4	111	70 - 130
1,2-Dichloroethane	50.0	54.5	109	70 - 130
Benzene	50.0	52.1	104	70 - 130

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5L2319	Lab Sample ID:	B5L2319-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
Trichloroethene	50.0	52.6	105	70 - 130
Methylcyclohexane	50.0	47.4	95	70 - 130
1,2-Dichloropropane	50.0	52.0	104	70 - 130
Bromodichloromethane	50.0	53.2	106	70 - 130
Dibromomethane	50.0	53.8	108	70 - 130
2-Chloroethyl vinyl ether	50.0	53.0	106	40 - 160
cis-1,3-Dichloropropene	50.0	52.0	104	70 - 130
Toluene	50.0	52.0	104	70 - 130
trans-1,3-Dichloropropene	50.0	51.9	104	70 - 130
1,1,2-Trichloroethane	50.0	52.3	105	70 - 130
4-Methyl-2-pentanone	50.0	51.8	104	40 - 160
1,2-Dibromoethane	50.0	54.0	108	70 - 130
2-Hexanone	50.0	46.3	93	40 - 160
1,3-Dichloropropane	50.0	51.1	102	70 - 130
Tetrachloroethene	50.0	50.2	100	70 - 130
Dibromochloromethane	50.0	53.6	107	70 - 130
Ethylbenzene	50.0	51.4	103	70 - 130
Chlorobenzene	50.0	51.2	102	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.1	100	70 - 130
m,p-Xylenes	100	102	102	70 - 130
o-Xylene	100	98.7	99	70 - 130
Styrene	100	100	100	70 - 130
Bromoform	50.0	52.6	105	70 - 130
Isopropylbenzene	50.0	50.7	101	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.9	102	70 - 130
1,2,3-Trichloropropane	50.0	51.2	102	70 - 130
n-Propyl Benzene	50.0	50.2	100	70 - 130
Bromobenzene	50.0	49.3	99	70 - 130

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 5035A
Prep Batch:	B5L2319	Lab Sample ID:	B5L2319-BS1

ANALYTE	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.0	49.8	100	70 - 130
2-Chlorotoluene	50.0	49.1	98	70 - 130
4-Chlorotoluene	50.0	49.4	99	70 - 130
tert-Butylbenzene	50.0	49.9	100	70 - 130
1,2,4-Trimethylbenzene	50.0	49.8	100	70 - 130
sec-Butylbenzene	50.0	51.4	103	70 - 130
p-Isopropyltoluene	50.0	51.0	102	70 - 130
1,3-Dichlorobenzene	50.0	49.0	98	70 - 130
1,4-Dichlorobenzene	50.0	49.6	99	70 - 130
n-Butyl Benzene	50.0	50.2	100	70 - 130
1,2-Dichlorobenzene	50.0	49.4	99	70 - 130
1,2-Dibromo-3-chloropropane	50.0	50.2	100	40 - 160
1,2,4-Trichlorobenzene	50.0	52.5	105	70 - 130
Hexachlorobutadiene	50.0	53.4	107	70 - 130
Naphthalene	50.0	51.9	104	40 - 160
1,2,3-Trichlorobenzene	50.0	51.3	103	70 - 130
Methyl tert-Butyl Ether	100	91.1	91	70 - 130

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13567.D Vial: 4
Acq On : 23 Dec 2015 14:37 Operator: SG
Sample : B5L2319-BS1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 23 15:00 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.47	168	607398	50.00	ug/l		-0.01
27) 1,4-Difluorobenzene	7.17	114	1066750	50.00	ug/l		-0.02
48) Chlorobenzene-d5	11.22	117	857646	50.00	ug/l		0.00
60) 1,4-Dichlorobenzene-d4	14.22	152	378590	50.00	ug/l		0.00
System Monitoring Compounds							
28) 1,2-Dichloroethane-d4	6.44	65	223637	53.48	ug/l		-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.96%				
41) Toluene-d8	9.06	98	1123395	51.86	ug/l		-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.72%				
47) Bromofluorobenzene	12.83	95	336672	53.25	ug/l		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 106.50%				
Target Compounds							Qvalue
2) Acrolein	2.96	56	25466	203.93	ug/l		82
3) Acrylonitrile	4.38	53	273206	232.51	ug/l		96
4) Acetone	3.33	43	66909	44.57	ug/l		92
5) Dichlorodifluoromethane	1.34	85	208970	34.63	ug/l		97
6) Chloromethane	1.50	50	556028	40.62	ug/l		100
7) Vinyl Chloride	1.56	62	602661	42.07	ug/l		100
8) Bromomethane	1.84	94	412004	45.83	ug/l		98
9) Chloroethane	1.95	64	558460	44.29	ug/l		99
10) Trichoroflouromethane	2.05	101	493465	45.30	ug/l		92
11) Freon-113	2.61	101	419678	44.13	ug/l		95
12) 1,1-Dichloroethene	2.55	61	675816	51.47	ug/l		90
13) Carbon disulfide	2.56	76	1196202	57.97	ug/l		97
14) Methyl Acetate	3.50	43	169919	54.32	ug/l		96
15) Methylene Chloride	3.22	49	661879	63.64	ug/l		90
16) trans-1,2-Dichloroethene	3.41	61	583996	51.10	ug/l	#	86
17) 1,1-Dichloroethane	4.27	63	773714	53.41	ug/l		99
18) Vinyl acetate	4.72	43	510944	50.40	ug/l		99
19) 2,2-Dichloropropane	5.19	77	490968	52.30	ug/l		94
20) 2-Butanone	5.96	43	95709	45.48	ug/l		92
21) cis-1,2-Dichloroethene	5.05	61	558151	52.66	ug/l		84
22) Chloroform	5.48	83	538904	53.58	ug/l		98
23) Bromochloromethane	5.33	130	194492	53.40	ug/l		99
24) Cyclohexane	5.27	56	838047	47.59	ug/l		86
25) 1,1,1-Trichloroethane	5.70	97	414207	53.63	ug/l		93
26) T-butyl alcohol	3.84	59	165632	540.83	ug/l		93
29) 1,1-Dichloropropene	5.89	110	194302	53.17	ug/l		99
30) Carbon Tetrachloride	5.59	117	364998	55.35	ug/l		93
31) 1,2-Dichloroethane	6.55	62	278073	54.52	ug/l		93
32) Benzene	6.24	78	1454465	52.14	ug/l		95
33) Trichloroethene	7.07	95	332652	52.62	ug/l		94
34) Methylcyclohexane	7.02	83	642764	47.36	ug/l		89
35) 1,2-Dichloropropane	7.80	63	389685	51.95	ug/l		96
37) Bromodichloromethane	7.92	83	338875	53.21	ug/l		97
38) Dibromomethane	7.65	174	138491	53.84	ug/l		94
39) 2-Chloroethylvinylether	8.79	63	149877	53.02	ug/l		92
40) cis-1,3-dichloropropene	8.81	75	485011	52.01	ug/l		96
42) Toluene	9.13	91	1382431	51.96	ug/l		95
43) trans-1,3-Dichloropropene	9.75	75	351064	51.90	ug/l		97
44) 1,1,2-Trichloroethane	9.97	97	195817	52.34	ug/l		91
45) 4-Methyl-2-pentanone	9.73	43	186819	51.77	ug/l		95
46) 1,2-Dibromoethane	10.48	107	195230	54.02	ug/l		89
49) 2-Hexanone	10.92	43	135030	46.30	ug/l		92
50) 1,3-dichloropropane	10.33	76	375754	51.14	ug/l		97
51) Tetrachloroethene	9.63	166	350870	50.18	ug/l		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13567.D Vial: 4
Acq On : 23 Dec 2015 14:37 Operator: SG
Sample : B5L2319-BS1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 23 15:00 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

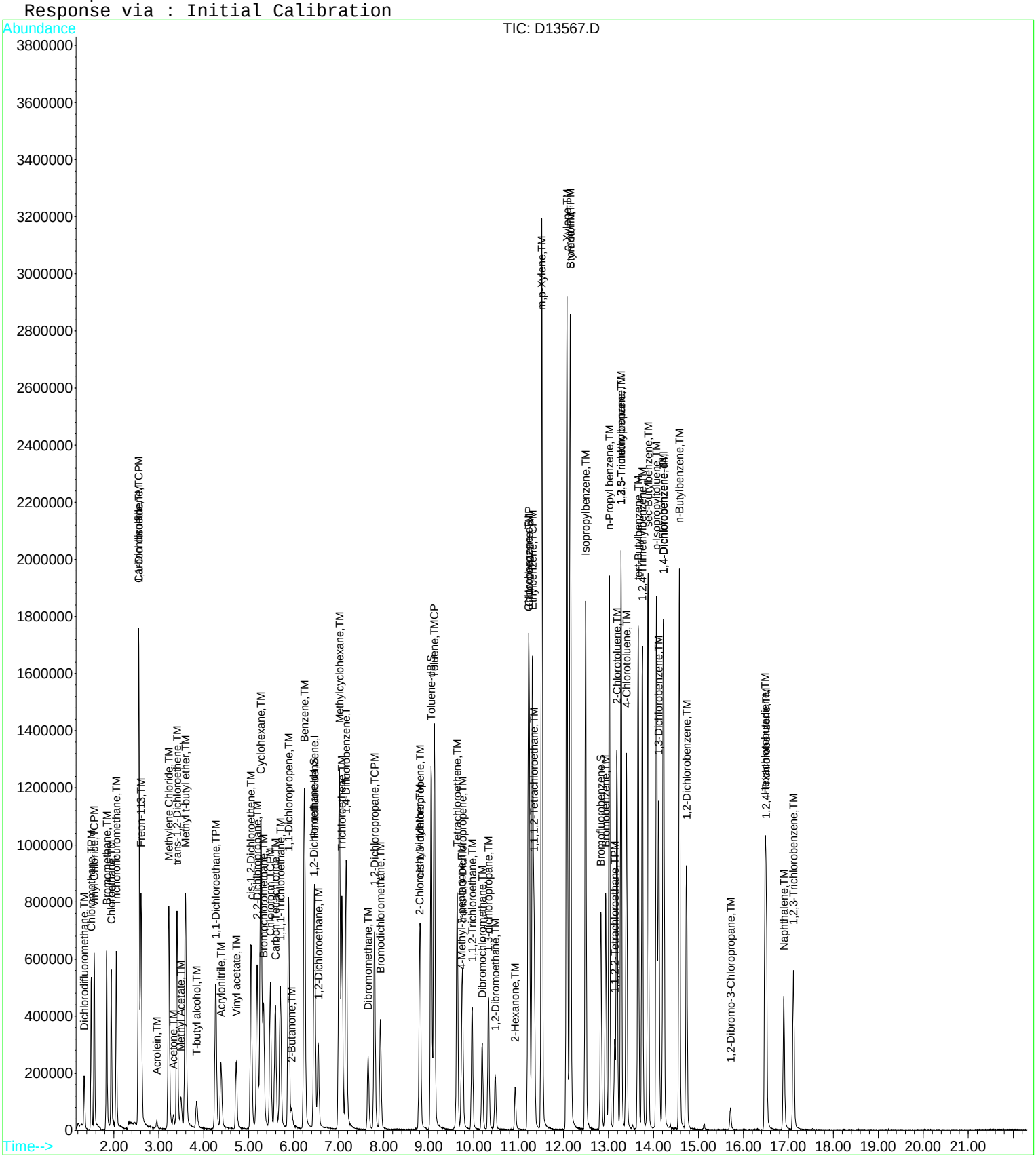
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52) Dibromochloromethane	10.19	129	230587	53.56	ug/l		96
53) Ethylbenzene	11.31	91	1528701	51.36	ug/l		97
54) Chlorobenzene	11.24	112	897695	51.24	ug/l		97
55) 1,1,1,2-Tetrachloroethane	11.35	131	250515	50.08	ug/l		98
56) m,p-Xylene	11.52	91	2197686	102.41	ug/l		98
57) o-Xylene	12.08	91	2049060	98.69	ug/l		100
58) Styrene	12.15	104	1796310	100.10	ug/l		99
59) Bromoform	12.15	173	108880	52.58	ug/l		81
61) Isopropylbenzene	12.49	105	1627576	50.72	ug/l		100
62) 1,1,2,2-Tetrachloroethane	13.14	83	218953	50.86	ug/l		93
63) 1,2,3-Trichloropropane	13.28	75	163915	51.20	ug/l		96
64) n-Propyl benzene	13.02	91	1921606	50.20	ug/l		94
65) Bromobenzene	12.94	77	495681	49.26	ug/l		95
66) 1,3,5-Trimethylbenzene	13.28	105	1173039	49.80	ug/l		97
67) 2-Chlorotoluene	13.19	91	944550	49.13	ug/l		92
68) 4-Chlorotoluene	13.40	91	964584	49.41	ug/l		93
69) tert-Butylbenzene	13.66	119	1132513	49.92	ug/l		96
70) 1,2,4-Trimethylbenzene	13.75	105	1153846	49.79	ug/l		98
71) sec-Butylbenzene	13.88	105	1822182	51.40	ug/l		100
72) p-Isopropyltoluene	14.07	119	1473595	51.00	ug/l		99
73) 1,3-Dichlorobenzene	14.11	146	632512	49.05	ug/l		99
74) 1,4-Dichlorobenzene	14.23	146	620626	49.58	ug/l		99
75) n-Butylbenzene	14.58	91	1368367	50.25	ug/l		96
76) 1,2-Dichlorobenzene	14.73	146	528624	49.40	ug/l		99
77) 1,2-Dibromo-3-Chloropropan	15.72	157	30895	50.20	ug/l	#	85
78) 1,2,4-Trichlorobenzene	16.51	180	329628	52.52	ug/l		98
79) Hexachlorobutadiene	16.48	225	197469	53.36	ug/l		95
80) Naphthalene	16.90	128	575493	51.87	ug/l		98
81) 1,2,3-Trichlorobenzene	17.12	180	262831	51.34	ug/l		99
82) Methyl t-butyl ether	3.59	73	1122026	91.07	ug/l		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1223\D13567.D Vial: 4
Acq On : 23 Dec 2015 14:37 Operator: SG
Sample : B5L2319-BS1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 23 15:00 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



Accredited Analytical Resources, LLC.

METHOD BLANK SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Blank ID:	B5L2319-BLK1	Batch:	B5L2319

Client Sample ID	Laboratory Sample ID	Lab File ID	Analysis Date/Time
LCS	B5L2319-BS1	D13567.D	12/23/2015 14:37
Matrix Spike	B5L2319-MS1	D13568.D	12/23/2015 15:09
Matrix Spike Dup	B5L2319-MSD1	D13569.D	12/23/2015 15:38
EP-18	1502323-01RE1	D13572.D	12/23/2015 17:11
EP-18	1502323-01	D13585.D	12/23/2015 23:47

INSTRUMENT PERFORMANCE CHECK

EPA 8260

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502323
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Lab File ID:	D13255.D	Injection Date:	12/01/15
Instrument ID:	GC/MS D	Injection Time:	14:25
Sequence:	S5L0109	Lab Sample ID:	S5L0109-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	21.2	PASS
75	30 - 60% of 95	46.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.81	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	81.1	PASS
175	5 - 9% of 174	6.73	PASS
176	95 - 101% of 174	95	PASS
177	5 - 9% of 176	6.66	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
2 ppb 8260	S5L0109-CAL1	D13256.D	12/01/2015	14:40:00
10 ppb 8260	S5L0109-CAL2	D13257.D	12/01/2015	15:11:00
20 ppb 8260	S5L0109-CAL3	D13258.D	12/01/2015	15:47:00
50 ppb 8260	S5L0109-CAL4	D13259.D	12/01/2015	16:17:00
100 ppb 8260	S5L0109-CAL5	D13260.D	12/01/2015	17:09:00
200 ppb 8260	S5L0109-CAL6	D13261.D	12/01/2015	17:39:00

INSTRUMENT PERFORMANCE CHECK

EPA 8260

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502323
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Lab File ID:	D13563.D	Injection Date:	12/23/15
Instrument ID:	GC/MS D	Injection Time:	12:20
Sequence:	S5L2311	Lab Sample ID:	S5L2311-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	21.3	PASS
75	30 - 60% of 95	45.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.37	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	84.7	PASS
175	5 - 9% of 174	7.17	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	6.49	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S5L2311-CCV1	D13564.D	12/23/2015	12:35:00
Blank	B5L2319-BLK1	D13566.D	12/23/2015	13:57:00
LCS	B5L2319-BS1	D13567.D	12/23/2015	14:37:00
Matrix Spike	B5L2319-MS1	D13568.D	12/23/2015	15:09:00
Matrix Spike Dup	B5L2319-MSD1	D13569.D	12/23/2015	15:38:00
INTSUP	1502323-01RE1	D13572.D	12/23/2015	17:11:00
EP-18	1502323-01	D13585.D	12/23/2015	23:47:00

Accredited Analytical Resources, LLC.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Sequence: S5L2311 Instrument: GC/MS D
Calibration: 15L1401

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5L2311-CCV1)			*Lab File ID: D13564.D*			*Analyzed: 12/23/15 12:35*			
Pentafluorobenzene	733275	6.47	721379	6.46	102	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	1316145	7.17	1264794	7.17	104	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1058444	11.21	980805	11.21	108	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	459230	14.2	427639	14.21	107	50 - 200	-0.0100	+/-0.50	
Blank (B5L2319-BLK1)			*Lab File ID: D13566.D*			*Analyzed: 12/23/15 13:57*			
Pentafluorobenzene	706240	6.47	733275	6.47	96	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	1268218	7.17	1316145	7.17	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	976039	11.21	1058444	11.21	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	400217	14.21	459230	14.2	87	50 - 200	0.0100	+/-0.50	
LCS (B5L2319-BS1)			*Lab File ID: D13567.D*			*Analyzed: 12/23/15 14:37*			
Pentafluorobenzene	607398	6.47	733275	6.47	83	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	1066750	7.17	1316145	7.17	81	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	857646	11.22	1058444	11.21	81	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	378590	14.22	459230	14.2	82	50 - 200	0.0200	+/-0.50	
Matrix Spike (B5L2319-MS1)			*Lab File ID: D13568.D*			*Analyzed: 12/23/15 15:09*			
Pentafluorobenzene	651593	6.47	733275	6.47	89	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	1136307	7.17	1316145	7.17	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	940546	11.22	1058444	11.21	89	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	418173	14.21	459230	14.2	91	50 - 200	0.0100	+/-0.50	
Matrix Spike Dup (B5L2319-MSD1)			*Lab File ID: D13569.D*			*Analyzed: 12/23/15 15:38*			
Pentafluorobenzene	615017	6.47	733275	6.47	84	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	1110593	7.18	1316145	7.17	84	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	906740	11.22	1058444	11.21	86	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	385932	14.21	459230	14.2	84	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Sequence: S5L2311 Instrument: GC/MS D
Calibration: 15L1401

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
EP-18 (1502323-01RE1)			*Lab File ID: D13572.D*			*Analyzed: 12/23/15 17:11*			
Pentafluorobenzene	419703	6.47	733275	6.47	57	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	785502	7.18	1316145	7.17	60	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	513029	11.22	1058444	11.21	48	50 - 200	0.0100	+/-0.50	*
1,4-Dichlorobenzene-d4	154489	14.21	459230	14.2	34	50 - 200	0.0100	+/-0.50	*
EP-18 (1502323-01)			*Lab File ID: D13585.D*			*Analyzed: 12/23/15 23:47*			
Pentafluorobenzene	470992	6.49	733275	6.47	64	50 - 200	0.0200	+/-0.50	
1,4-Difluorobenzene	872380	7.19	1316145	7.17	66	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	612565	11.23	1058444	11.21	58	50 - 200	0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	191112	14.23	459230	14.2	42	50 - 200	0.0300	+/-0.50	*

* Values outside of QC limits

Accredited Analytical Resources, LLC.

VOLATILES CALIBRATION DATA

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acrolein	10	8.821141E-03	50	0.0120828	100	1.015763E-02	250	1.001526E-02	500	1.090093E-02	1000	9.698984E-03
Acrylonitrile	10	0.1030059	50	0.1040353	100	9.534724E-02	250	9.243501E-02	500	9.794981E-02	1000	8.758337E-02
Acetone	2	0.2881964	10	0.163567	20	0.1362807	50	0.1192144	100	0.1240989	200	0.1124785
Dichlorodifluoromethane	2	0.3807089	10	0.4970919	20	0.5052961	50	0.4666862	100	0.5698982	200	0.5606093
Chloromethane	2	1.106623	10	1.116062	20	1.168668	50	1.064564	100	1.154713	200	1.149998
Vinyl chloride	2	1.148511	10	1.203369	20	1.202107	50	1.113249	100	1.197416	200	1.210045
Bromomethane	2	0.7302954	10	0.7469323	20	0.7213822	50	0.7340515	100	0.7696532	200	0.7379234
Chloroethane	2	1.092331	10	1.081891	20	1.058067	50	1.01579	100	1.030954	200	0.9482162
Trichlorofluoromethane	2	0.8805646	10	0.954794	20	0.9028403	50	0.8954467	100	0.9044264	200	0.8426897
Freon 113	2	0.8165833	10	0.8787367	20	0.808157	50	0.7496651	100	0.7556287	200	0.6886622
1,1-Dichloroethene	2	1.157194	10	1.186124	20	1.124918	50	1.037837	100	1.043331	200	0.9359493
Carbon disulfide	2	1.806597	10	1.865694	20	1.725002	50	1.652411	100	1.657518	200	1.484813
Methyl Acetate	2	0.2712594	10	0.2907278	20	0.2672659	50	0.2447085	100	0.2467158	200	0.22443
Methylene Chloride	2	2.616235	10	1.335092	20	1.08993	50	0.8915854	100	0.8786063	200	0.7711456
trans-1,2-Dichloroethene	2	0.9811449	10	1.038136	20	0.9455016	50	0.9036393	100	0.9198471	200	0.8560454
1,1-Dichloroethane	2	1.182786	10	1.327552	20	1.221099	50	1.167827	100	1.17609	200	1.080165
Vinyl acetate	2	0.830555	10	0.9237047	20	0.8205534	50	0.8106323	100	0.8418503	200	0.779817
2,2-Dichloropropane	2	0.7923799	10	0.839968	20	0.7646119	50	0.7522655	100	0.7687295	200	0.7188003
2-Butanone	2	0.1931995	10	0.1868724	20	0.160013	50	0.1667439	100	0.173902	200	0.1586938
cis-1,2-Dichloroethene	2	0.8852397	10	0.9554383	20	0.8845004	50	0.8550231	100	0.86518	200	0.7892956
Chloroform	2	0.8532891	10	0.905995	20	0.8164571	50	0.8110659	100	0.812196	200	0.7682898
Bromochloromethane	2	0.3093811	10	0.3291657	20	0.2976002	50	0.2863475	100	0.2978677	200	0.2784187
Cyclohexane	2	1.597636	10	1.614333	20	1.461302	50	1.379457	100	1.385563	200	1.258481
1,1,1-Trichloroethane	2	0.6170257	10	0.6966995	20	0.6587765	50	0.622373	100	0.6289029	200	0.5905465
t-Butyl alcohol	20	2.610545E-02	100	2.787181E-02	200	2.403244E-02	500	2.450123E-02	1000	2.541485E-02	2000	2.333736E-02
1,1-Dichloropropene	2	0.1788583	10	0.1895883	20	0.1662109	50	0.1667225	100	0.1698093	200	0.1565209

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Carbon Tetrachloride	2	0.3068186	10	0.3298264	20	0.317528	50	0.3053304	100	0.3085796	200	0.2864644
1,2-Dichloroethane	2	0.2410018	10	0.2538409	20	0.2453324	50	0.2318278	100	0.2420106	200	0.2203384
Benzene	2	1.418492	10	1.3777	20	1.323777	50	1.264174	100	1.293646	200	1.167396
Trichloroethene	2	0.3018507	10	0.3138439	20	0.2945539	50	0.2905467	100	0.2985951	200	0.2785111
Methylcyclohexane	2	0.6811249	10	0.6797495	20	0.6434447	50	0.6146638	100	0.62616	200	0.5718805
1,2-Dichloropropane	2	0.3846636	10	0.368298	20	0.3424846	50	0.3398694	100	0.3493031	200	0.3250045
1,4-Dioxane	80	0	160	0	320	0	640	0	2000	0	5000	0
Bromodichloromethane	2	0.2862998	10	0.3248128	20	0.297161	50	0.2898399	100	0.3028213	200	0.290225
Dibromomethane	2	0.1108286	10	0.1308846	20	0.1255283	50	0.1208229	100	0.1203697	200	0.1150022
2-Chloroethyl vinyl ether	2	0.1089017	10	0.1474185	20	0.1314344	50	0.1332495	100	0.1408939	200	0.1330203
cis-1,3-Dichloropropene	2	0.4507513	10	0.4536403	20	0.4370751	50	0.4276605	100	0.4410257	200	0.4122343
Toluene	2	1.370018	10	1.308372	20	1.267052	50	1.20837	100	1.213888	200	1.114299
trans-1,3-Dichloropropene	2	0.309724	10	0.3428717	20	0.3077794	50	0.3116305	100	0.3235293	200	0.3067378
1,1,2-Trichloroethane	2	0.1868521	10	0.1931221	20	0.1726842	50	0.1672119	100	0.1700975	200	0.1622578
4-Methyl-2-pentanone	2	0.1629762	10	0.1886275	20	0.1637579	50	0.1687178	100	0.1697326	200	0.1609569
1,2-Dibromoethane	2	0.1643913	10	0.1877763	20	0.1647501	50	0.1682631	100	0.1692794	200	0.1619819
2-Hexanone	2	0.1648101	10	0.1911862	20	0.1618186	50	0.1665849	100	0.176052	200	0.1596074
1,3-Dichloropropane	2	0.4361324	10	0.4858041	20	0.4241337	50	0.4202049	100	0.4236961	200	0.3802333
Tetrachloroethene	2	0.4322031	10	0.4288974	20	0.4132549	50	0.39521	100	0.4088314	200	0.3675576
Dibromochloromethane	2	0.23235	10	0.2748823	20	0.2456656	50	0.2497696	100	0.264189	200	0.2391804
Ethylbenzene	2	1.869526	10	1.823298	20	1.788442	50	1.702567	100	1.726048	200	1.502551
Chlorobenzene	2	1.114699	10	1.065524	20	1.009849	50	1.015502	100	1.018584	200	0.9045536
1,1,1,2-Tetrachloroethane	2	0.2848944	10	0.321508	20	0.2826148	50	0.2865337	100	0.296715	200	0.2776071
m,p-Xylenes	4	1.37699	20	1.29328	40	1.305728	100	1.224042	200	1.240305	400	1.066145
o-Xylene	4	1.333868	20	1.239083	40	1.266614	100	1.190795	200	1.198178	400	1.033824
Styrene	4	1.113907	20	1.040939	40	1.062321	100	1.048095	200	1.061784	400	0.9500761

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Bromoform	2	0.1062916	10	0.1278204	20	0.1193917	50	0.1189715	100	0.1280197	200	0.1238804
Isopropylbenzene	2	4.611445	10	4.647934	20	4.257236	50	4.126275	100	4.138955	200	3.644435
1,1,2,2-Tetrachloroethane	2	0.5704098	10	0.6760906	20	0.5513061	50	0.5473392	100	0.5450345	200	0.5209393
1,2,3-Trichloropropane	2	0.4375767	10	0.4907402	20	0.4085806	50	0.404159	100	0.4133488	200	0.3825147
n-Propyl Benzene	2	5.489223	10	5.484817	20	5.23331	50	4.918011	100	4.964946	200	4.240355
Bromobenzene	2	1.474385	10	1.424591	20	1.325183	50	1.253594	100	1.314239	200	1.181528
1,3,5-Trimethylbenzene	2	3.332105	10	3.422204	20	3.109919	50	3.042326	100	3.055033	200	2.702833
2-Chlorotoluene	2	2.706142	10	2.796716	20	2.581488	50	2.4354	100	2.488127	200	2.225954
4-Chlorotoluene	2	2.881454	10	2.689321	20	2.624457	50	2.495672	100	2.524666	200	2.254751
tert-Butylbenzene	2	3.295799	10	3.193461	20	3.045828	50	2.878314	100	2.972506	200	2.590389
1,2,4-Trimethylbenzene	2	3.301339	10	3.406298	20	3.081045	50	2.956998	100	2.990922	200	2.628709
sec-Butylbenzene	2	5.158768	10	5.014775	20	4.812371	50	4.541909	100	4.652462	200	3.911833
p-Isopropyltoluene	2	3.88667	10	4.122464	20	4.000302	50	3.753845	100	3.854112	200	3.278738
1,3-Dichlorobenzene	2	1.905011	10	1.794726	20	1.704849	50	1.636908	100	1.670119	200	1.506117
1,4-Dichlorobenzene	2	1.905011	10	1.683804	20	1.64149	50	1.585571	100	1.63423	200	1.469191
n-Butyl Benzene	2	3.832623	10	3.8869	20	3.763998	50	3.499649	100	3.587822	200	3.005716
1,2-Dichlorobenzene	2	1.600122	10	1.45708	20	1.44653	50	1.347046	100	1.395014	200	1.233807
1,2-Dibromo-3-chloropropane	2	4.874924E-02	10	7.154456E-02	20	7.590514E-02	50	7.946066E-02	100	8.903614E-02	200	0.0789066
1,2,4-Trichlorobenzene	2	0.8787986	10	0.8170278	20	0.8691385	50	0.7925035	100	0.859437	200	0.7565337
Hexachlorobutadiene	2	0.5029969	10	0.4786609	20	0.530009	50	0.4710129	100	0.506233	200	0.4437102
Naphthalene	2	1.678082	10	1.455882	20	1.522815	50	1.368258	100	1.496067	200	1.271203
1,2,3-Trichlorobenzene	2	0.7667191	10	0.6714097	20	0.7159485	50	0.6357586	100	0.6852085	200	0.581361
Methyl tert-Butyl Ether	4	1.757233	20	2.042803	40	1.55241	100	1.524045	200	1.550158	400	1.336198
1,2-Dichloroethane-d4	2	0.2069795	10	0.2069379	20	0.1961308	50	0.1900853	100	0.1958876	200	0.1799649
Toluene-d8	2	1.091682	10	1.064714	20	1.030377	50	0.9825928	100	1.003772	200	0.9187683
Bromofluorobenzene	2	0.3358279	10	0.2822432	20	0.2975069	50	0.2882341	100	0.2963155	200	0.277855

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	1.027946E-02	10.82104		
Acrylonitrile	9.672611E-02	6.510138		
Acetone	0.157306	42.33686		
Dichlorodifluoromethane	0.4967151	13.91056		
Chloromethane	1.126771	3.429468	SPCC (0.1)	
Vinyl chloride	1.179116	3.32457	CCC (20)	
Bromomethane	0.7400397	2.267457		
Chloroethane	1.037875	5.077389		
Trichlorofluoromethane	0.8967936	4.06701		
Freon 113	0.7829055	8.411971		
1,1-Dichloroethene	1.080892	8.590248	CCC (20)	
Carbon disulfide	1.698673	7.889689		
Methyl Acetate	0.2575179	9.127351		
Methylene Chloride	1.263766	54.75354		
trans-1,2-Dichloroethene	0.9407191	6.744489		
1,1-Dichloroethane	1.192587	6.775722	SPCC (0.1)	
Vinyl acetate	0.8345188	5.816735		
2,2-Dichloropropane	0.7727925	5.27732		
2-Butanone	0.1732374	8.217978		
cis-1,2-Dichloroethene	0.8724462	6.165484		
Chloroform	0.8278822	5.654662	CCC (20)	
Bromochloromethane	0.2997968	5.968461		
Cyclohexane	1.449462	9.49653		
1,1,1-Trichloroethane	0.6357207	5.828603		
t-Butyl alcohol	2.521052E-02	6.475355		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
1,1-Dichloropropene	0.171285	6.702949		
Carbon Tetrachloride	0.3090912	4.649522		
1,2-Dichloroethane	0.2390586	4.853429		
Benzene	1.307531	6.772749		
Trichloroethene	0.2963169	3.982943		
Methylcyclohexane	0.6361706	6.545202		
1,2-Dichloropropane	0.3516039	6.106969	CCC (20)	
1,4-Dioxane	0	0		
Bromodichloromethane	0.2985266	4.749495		
Dibromomethane	0.1205727	5.945825		
2-Chloroethyl vinyl ether	0.1324864	9.852093		
cis-1,3-Dichloropropene	0.4370645	3.518954		
Toluene	1.247	7.127683	CCC (20)	
trans-1,3-Dichloropropene	0.3170455	4.42491		
1,1,2-Trichloroethane	0.1753709	6.844895		
4-Methyl-2-pentanone	0.1691282	5.996129		
1,2-Dibromoethane	0.169407	5.542053		
2-Hexanone	0.1700099	6.954817		
1,3-Dichloropropane	0.4283674	7.938849		
Tetrachloroethene	0.4076591	5.855779		
Dibromochloromethane	0.2510061	6.328892		
Ethylbenzene	1.735405	7.465008	CCC (20)	
Chlorobenzene	1.021452	6.850318	SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.2916455	5.459912		
m,p-Xylenes	1.251082	8.43402		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
o-Xylene	1.210394	8.339062		
Styrene	1.046187	5.122184		
Bromoform	0.1207292	6.695315	SPCC (0.1)	
Isopropylbenzene	4.237713	8.718285		
1,1,2,2-Tetrachloroethane	0.5685199	9.67757	SPCC (0.3)	
1,2,3-Trichloropropane	0.42282	8.909843		
n-Propyl Benzene	5.05511	9.260016		
Bromobenzene	1.32892	8.100456		
1,3,5-Trimethylbenzene	3.110737	8.1349		
2-Chlorotoluene	2.538971	8.023123		
4-Chlorotoluene	2.578387	8.149177		
tert-Butylbenzene	2.99605	8.314579		
1,2,4-Trimethylbenzene	3.060885	9.006546		
sec-Butylbenzene	4.68202	9.401038		
p-Isopropyltoluene	3.816022	7.656689		
1,3-Dichlorobenzene	1.702955	8.027357		
1,4-Dichlorobenzene	1.653216	8.693287		
n-Butyl Benzene	3.596118	9.024649		
1,2-Dichlorobenzene	1.413266	8.658258		
1,2-Dibromo-3-chloropropane	7.393372E-02	18.41883		
1,2,4-Trichlorobenzene	0.8289065	5.84681		
Hexachlorobutadiene	0.4887705	6.24326		
Naphthalene	1.465385	9.49072		
1,2,3-Trichlorobenzene	0.6760676	9.472887		
Methyl tert-Butyl Ether	1.627141	14.96554		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Calibration:	15L1401	Instrument:	GC/MS D
		Calibration Date:	12/1/2015 7:29:13PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
1,2-Dichloroethane-d4	0.1959977	5.264448		
Toluene-d8	1.015318	6.075297		
Bromofluorobenzene	0.2963304	7.025003		

* Values outside of QC limits

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS D	Calibration:	15L1401
Lab File ID:	D13564.D	Calibration Date:	12/01/15 19:29
Sequence:	S5L2311	Injection Date:	12/23/15
Lab Sample ID:	S5L2311-CCV1	Injection Time:	12:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	L	250	214	1.027946E-02	8.790699E-03		-14.5	
Acrylonitrile	A	250	256	9.672611E-02	9.914398E-02		2.5	
Acetone	L	50.0	52.2	0.157306	0.1271665		-19.2	
Dichlorodifluoromethane	A	50.0	49.2	0.4967151	0.4888412		-1.6	
Chloromethane	A	50.0	48.2	1.126771	1.086967	0.1	-3.5	
Vinyl chloride	A	50.0	49.6	1.179116	1.169421		-0.8	20
Bromomethane	A	50.0	52.6	0.7400397	0.7787992		5.2	
Chloroethane	A	50.0	51.2	1.037875	1.063638		2.5	
Trichlorofluoromethane	A	50.0	55.9	0.8967936	1.002899		11.8	
Freon 113	A	50.0	44.2	0.7829055	0.6918141		-11.6	
1,1-Dichloroethene	A	50.0	47.1	1.080892	1.017384		-5.9	20
Carbon disulfide	A	50.0	41.0	1.698673	1.392985		-18.0	
Methyl Acetate	A	50.0	52.7	0.2575179	0.2715775		5.5	
Methylene Chloride	L	50.0	64.3	1.263766	1.100273		-12.9	
trans-1,2-Dichloroethene	A	50.0	48.6	0.9407191	0.9133449		-2.9	
1,1-Dichloroethane	A	50.0	51.6	1.192587	1.230949	0.1	3.2	
Vinyl acetate	A	50.0	48.9	0.8345188	0.8161208		-2.2	
2,2-Dichloropropane	A	50.0	52.0	0.7727925	0.802857		3.9	
2-Butanone	A	50.0	55.7	0.1732374	0.1929099		11.4	
cis-1,2-Dichloroethene	A	50.0	51.0	0.8724462	0.8891616		1.9	
Chloroform	A	50.0	51.3	0.8278822	0.8495421		2.6	20
Bromochloromethane	A	50.0	52.4	0.2997968	0.3141318		4.8	
Cyclohexane	A	50.0	46.6	1.449462	1.349664		-6.9	

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS D	Calibration:	15L1401
Lab File ID:	D13564.D	Calibration Date:	12/01/15 19:29
Sequence:	S5L2311	Injection Date:	12/23/15
Lab Sample ID:	S5L2311-CCV1	Injection Time:	12:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1-Trichloroethane	A	50.0	52.0	0.6357207	0.6614858		4.1	
t-Butyl alcohol	A	500	577	2.521052E-02	2.911213E-02		15.5	
1,1-Dichloropropene	A	50.0	50.8	0.171285	0.1739147		1.5	
Carbon Tetrachloride	A	50.0	52.4	0.3090912	0.3239658		4.8	
1,2-Dichloroethane	A	50.0	51.6	0.2390586	0.246754		3.2	
Benzene	A	50.0	50.3	1.307531	1.314856		0.6	
Trichloroethene	A	50.0	51.6	0.2963169	0.3060651		3.3	
Methylcyclohexane	A	50.0	48.1	0.6361706	0.6119037		-3.8	
1,2-Dichloropropane	A	50.0	51.2	0.3516039	0.3597818		2.3	20
Bromodichloromethane	A	50.0	53.1	0.2985266	0.3168405		6.1	
Dibromomethane	A	50.0	54.9	0.1205727	0.1324421		9.8	
2-Chloroethyl vinyl ether	A	50.0	56.9	0.1324864	0.1506756		13.7	
cis-1,3-Dichloropropene	A	50.0	53.7	0.4370645	0.4692355		7.4	
Toluene	A	50.0	50.1	1.247	1.250203		0.3	20
trans-1,3-Dichloropropene	A	50.0	54.1	0.3170455	0.343064		8.2	
1,1,2-Trichloroethane	A	50.0	52.6	0.1753709	0.184561		5.2	
4-Methyl-2-pentanone	A	50.0	54.0	0.1691282	0.1828256		8.1	
1,2-Dibromoethane	A	50.0	53.3	0.169407	0.1804497		6.5	
2-Hexanone	A	50.0	54.9	0.1700099	0.1866617		9.8	
1,3-Dichloropropane	A	50.0	51.2	0.4283674	0.4384861		2.4	
Tetrachloroethene	A	50.0	49.7	0.4076591	0.4049548		-0.7	
Dibromochloromethane	A	50.0	54.0	0.2510061	0.2709184		7.9	
Ethylbenzene	A	50.0	50.0	1.735405	1.736608		0.07	20

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS D	Calibration:	15L1401
Lab File ID:	D13564.D	Calibration Date:	12/01/15 19:29
Sequence:	S5L2311	Injection Date:	12/23/15
Lab Sample ID:	S5L2311-CCV1	Injection Time:	12:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Chlorobenzene	A	50.0	49.4	1.021452	1.008615	0.3	-1.3	
1,1,1,2-Tetrachloroethane	A	50.0	51.8	0.2916455	0.3021747		3.6	
m,p-Xylenes	A	100	99.0	1.251082	1.238642		-1.0	
o-Xylene	A	100	97.6	1.210394	1.181021		-2.4	
Styrene	A	100	98.8	1.046187	1.034156		-1.1	
Bromoform	A	50.0	54.0	0.1207292	0.1303716	0.1	8.0	
Isopropylbenzene	A	50.0	49.4	4.237713	4.190133		-1.1	
1,1,2,2-Tetrachloroethane	A	50.0	50.6	0.5685199	0.5749276	0.3	1.1	
1,2,3-Trichloropropane	A	50.0	49.7	0.42282	0.4199464		-0.7	
n-Propyl Benzene	A	50.0	48.1	5.05511	4.864719		-3.8	
Bromobenzene	A	50.0	47.4	1.32892	1.260484		-5.1	
1,3,5-Trimethylbenzene	A	50.0	48.4	3.110737	3.011861		-3.2	
2-Chlorotoluene	A	50.0	48.2	2.538971	2.445025		-3.7	
4-Chlorotoluene	A	50.0	47.5	2.578387	2.448607		-5.0	
tert-Butylbenzene	A	50.0	47.5	2.99605	2.84565		-5.0	
1,2,4-Trimethylbenzene	A	50.0	48.4	3.060885	2.964569		-3.1	
sec-Butylbenzene	A	50.0	48.8	4.68202	4.57074		-2.4	
p-Isopropyltoluene	A	50.0	48.8	3.816022	3.723507		-2.4	
1,3-Dichlorobenzene	A	50.0	47.1	1.702955	1.604902		-5.8	
1,4-Dichlorobenzene	A	50.0	46.8	1.653216	1.545716		-6.5	
n-Butyl Benzene	A	50.0	47.8	3.596118	3.437328		-4.4	
1,2-Dichlorobenzene	A	50.0	47.6	1.413266	1.346608		-4.7	
1,2-Dibromo-3-chloropropane	L	50.0	53.1	7.393372E-02	0.0862509		16.7	

CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Instrument ID:	GC/MS D	Calibration:	15L1401
Lab File ID:	D13564.D	Calibration Date:	12/01/15 19:29
Sequence:	S5L2311	Injection Date:	12/23/15
Lab Sample ID:	S5L2311-CCV1	Injection Time:	12:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2,4-Trichlorobenzene	A	50.0	48.5	0.8289065	0.8035189		-3.1	
Hexachlorobutadiene	A	50.0	49.4	0.4887705	0.483174		-1.1	
Naphthalene	A	50.0	48.4	1.465385	1.41739		-3.3	
1,2,3-Trichlorobenzene	A	50.0	47.4	0.6760676	0.6402587		-5.3	
Methyl tert-Butyl Ether	A	100	85.6	1.627141	1.393285		-14.4	
1,2-Dichloroethane-d4	A	50.0	50.8	0.1959977	0.1992417		1.7	
Toluene-d8	A	50.0	50.6	1.015318	1.027716		1.2	
Bromofluorobenzene	A	50.0	52.3	0.2963304	0.3098564		4.6	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13564.D Vial: 1
Acq On : 23 Dec 2015 12:35 Operator: SG
Sample : S5L2311-CCV1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 9:07 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.47	168	733275	50.00	ug/l	-0.01
27) 1,4-Difluorobenzene	7.17	114	1316145	50.00	ug/l	-0.02
48) Chlorobenzene-d5	11.21	117	1058444	50.00	ug/l	-0.01
60) 1,4-Dichlorobenzene-d4	14.20	152	459230	50.00	ug/l	-0.02
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.45	65	262231	50.83	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.66%			
41) Toluene-d8	9.05	98	1352623	50.61	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.22%			
47) Bromofluorobenzene	12.83	95	407816	52.28	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 104.56%			
Target Compounds						Qvalue
2) Acrolein	2.96	56	32230	213.79	ug/l	95
3) Acrylonitrile	4.39	53	363499	256.25	ug/l	96
4) Acetone	3.33	43	93248	52.21	ug/l	94
5) Dichlorodifluoromethane	1.34	85	358455	49.21	ug/l	95
6) Chloromethane	1.50	50	797046	48.23	ug/l	98
7) Vinyl Chloride	1.57	62	857507	49.59	ug/l	97
8) Bromomethane	1.84	94	571074	52.62	ug/l	96
9) Chloroethane	1.95	64	779939	51.24	ug/l	98
10) Trichoroflouromethane	2.06	101	735401	55.92	ug/l	95
11) Freon-113	2.61	101	507290	44.18	ug/l	98
12) 1,1-Dichloroethene	2.56	61	746022	47.06	ug/l	90
13) Carbon disulfide	2.56	76	1021441	41.00	ug/l	97
14) Methyl Acetate	3.50	43	199141	52.73	ug/l	100
15) Methylene Chloride	3.22	49	806803m	64.34	ug/l	
16) trans-1,2-Dichloroethene	3.41	61	669733	48.55	ug/l	87
17) 1,1-Dichloroethane	4.27	63	902624	51.61	ug/l	99
18) Vinyl acetate	4.72	43	598441	48.90	ug/l	95
19) 2,2-Dichloropropane	5.19	77	588715	51.95	ug/l	94
20) 2-Butanone	5.96	43	141456	55.68	ug/l	99
21) cis-1,2-Dichloroethene	5.05	61	652000	50.96	ug/l	91
22) Chloroform	5.48	83	622948	51.31	ug/l	98
23) Bromochloromethane	5.34	130	230345	52.39	ug/l	92
24) Cyclohexane	5.27	56	989675	46.56	ug/l	92
25) 1,1,1-Trichloroethane	5.70	97	485051	52.03	ug/l	93
26) T-butyl alcohol	3.86	59	213472	577.38	ug/l	94
29) 1,1-Dichloropropene	5.89	110	228897	50.77	ug/l	96
30) Carbon Tetrachloride	5.59	117	426386	52.41	ug/l	99
31) 1,2-Dichloroethane	6.54	62	324764	51.61	ug/l	91
32) Benzene	6.24	78	1730541	50.28	ug/l	97
33) Trichloroethene	7.07	95	402826	51.64	ug/l	97
34) Methylcyclohexane	7.01	83	805354	48.09	ug/l	90
35) 1,2-Dichloropropane	7.79	63	473525	51.16	ug/l	93
37) Bromodichloromethane	7.92	83	417008	53.07	ug/l	97
38) Dibromomethane	7.65	174	174313	54.92	ug/l	95
39) 2-Chloroethylvinylether	8.78	63	198311	56.86	ug/l	97
40) cis-1,3-dichloropropene	8.81	75	617582	53.68	ug/l	97
42) Toluene	9.12	91	1645449	50.13	ug/l	99
43) trans-1,3-Dichloropropene	9.75	75	451522	54.10	ug/l	96
44) 1,1,2-Trichloroethane	9.96	97	242909	52.62	ug/l	98
45) 4-Methyl-2-pentanone	9.73	43	240625	54.05	ug/l	91
46) 1,2-Dibromoethane	10.47	107	237498	53.26	ug/l	84
49) 2-Hexanone	10.92	43	197571	54.90	ug/l	98
50) 1,3-dichloropropane	10.32	76	464113	51.18	ug/l	99
51) Tetrachloroethene	9.63	166	428622	49.67	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1223\D13564.D Vial: 1
Acq On : 23 Dec 2015 12:35 Operator: SG
Sample : S5L2311-CCV1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 9:07 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

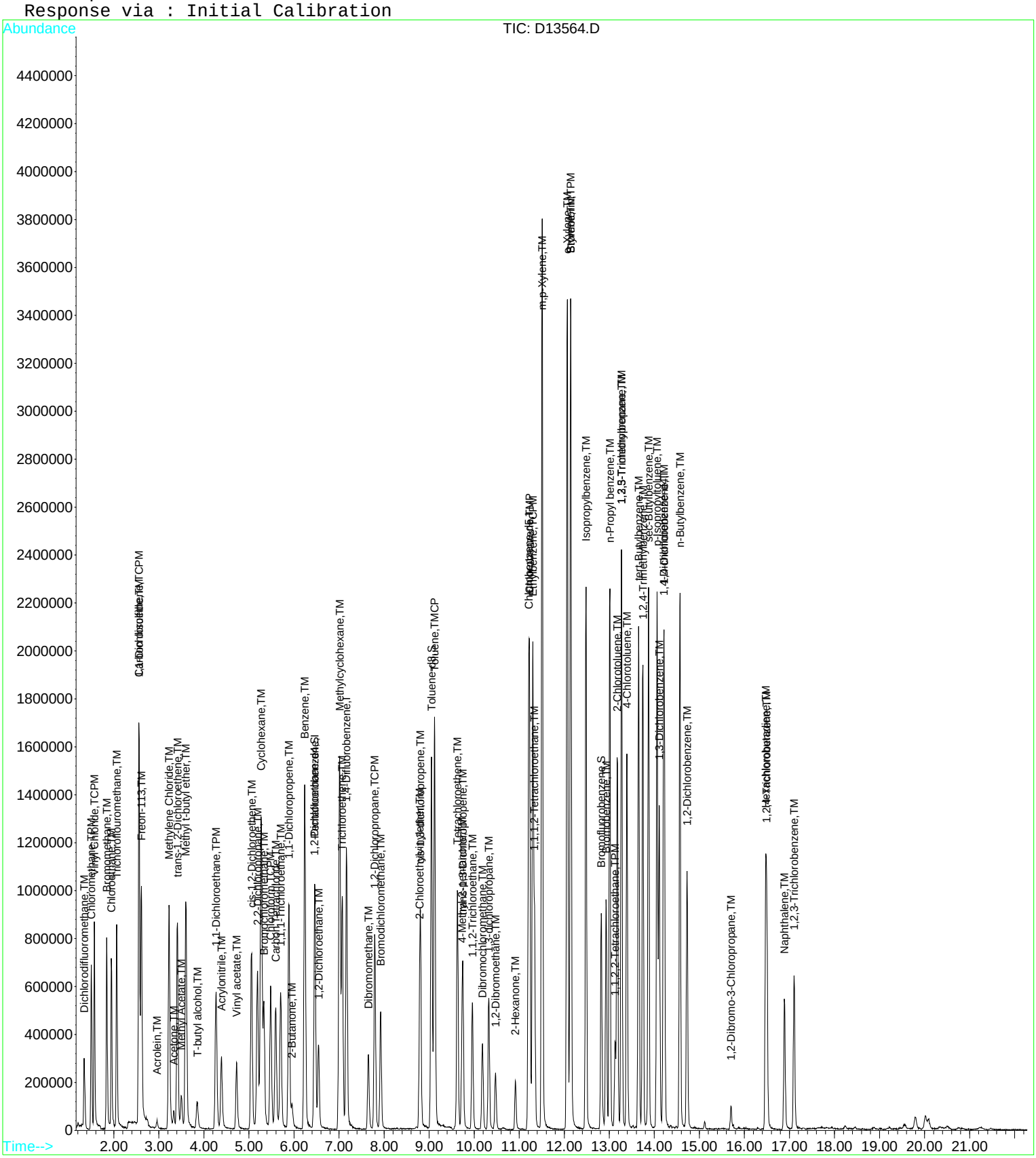
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	Dibromochloromethane	10.18	129	286752	53.97	ug/l		92
53)	Ethylbenzene	11.30	91	1838102	50.03	ug/l		97
54)	Chlorobenzene	11.23	112	1067562	49.37	ug/l		99
55)	1,1,1,2-Tetrachloroethane	11.34	131	319835	51.81	ug/l		99
56)	m,p-Xylene	11.51	91	2622066	99.01	ug/l		97
57)	o-Xylene	12.07	91	2500089	97.57	ug/l		99
58)	Styrene	12.14	104	2189192	98.85	ug/l		99
59)	Bromoform	12.15	173	137991	53.99	ug/l		82
61)	Isopropylbenzene	12.48	105	1924235	49.44	ug/l		98
62)	1,1,2,2-Tetrachloroethane	13.13	83	264024	50.56	ug/l		96
63)	1,2,3-Trichloropropane	13.27	75	192852	49.66	ug/l		94
64)	n-Propyl benzene	13.01	91	2234025	48.12	ug/l		94
65)	Bromobenzene	12.93	77	578852	47.43	ug/l		97
66)	1,3,5-Trimethylbenzene	13.27	105	1383137	48.41	ug/l		98
67)	2-Chlorotoluene	13.17	91	1122829	48.15	ug/l		93
68)	4-Chlorotoluene	13.39	91	1124474	47.48	ug/l		91
69)	tert-Butylbenzene	13.65	119	1306808	47.49	ug/l		97
70)	1,2,4-Trimethylbenzene	13.75	105	1361419	48.43	ug/l		99
71)	sec-Butylbenzene	13.87	105	2099021	48.81	ug/l		99
72)	p-Isopropyltoluene	14.06	119	1709946	48.79	ug/l		99
73)	1,3-Dichlorobenzene	14.11	146	737019	47.12	ug/l		96
74)	1,4-Dichlorobenzene	14.22	146	709839	46.75	ug/l		97
75)	n-Butylbenzene	14.57	91	1578524	47.79	ug/l		96
76)	1,2-Dichlorobenzene	14.73	146	618403	47.64	ug/l		97
77)	1,2-Dibromo-3-Chloropropan	15.70	157	39609	53.08	ug/l	#	83
78)	1,2,4-Trichlorobenzene	16.50	180	369000	48.47	ug/l		97
79)	Hexachlorobutadiene	16.47	225	221888	49.43	ug/l		95
80)	Naphthalene	16.89	128	650908	48.36	ug/l		98
81)	1,2,3-Trichlorobenzene	17.10	180	294026	47.35	ug/l		99
82)	Methyl t-butyl ether	3.60	73	1279677	85.63	ug/l		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1223\D13564.D Vial: 1
Acq On : 23 Dec 2015 12:35 Operator: SG
Sample : S5L2311-CCV1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 24 9:07 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



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VOLATILES SAMPLE DATA

RAW DATA

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13256.D Vial: 1
Acq On : 1 Dec 2015 14:40 Operator: SG
Sample : S5L0109-CAL1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:05 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	6.47	168	935820	50.00	ug/l		-0.01
27) 1,4-Difluorobenzene	7.17	114	1660672	50.00	ug/l		-0.02
48) Chlorobenzene-d5	11.21	117	1247041	50.00	ug/l		-0.01
60) 1,4-Dichlorobenzene-d4	14.21	152	514367	50.00	ug/l		-0.02
System Monitoring Compounds							
28) 1,2-Dichloroethane-d4	6.45	65	13749	2.16	ug/l		-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.32%#			
41) Toluene-d8	9.06	98	72517	2.24	ug/l		-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.48%#			
47) Bromofluorobenzene	12.83	95	22308	2.32	ug/l		-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	4.64%#			
Target Compounds							Qvalue
2) Acrolein	2.96	56	1651	12.43	ug/l		90
3) Acrylonitrile	4.40	53	19279	12.03	ug/l		99
4) Acetone	3.33	43	10788	6.88	ug/l	#	63
5) Dichlorodifluoromethane	1.34	85	14251	Below Cal			82
6) Chloromethane	1.51	50	41424	2.80	ug/l		89
7) Vinyl Chloride	1.57	62	42992	2.54	ug/l		88
8) Bromomethane	1.85	94	27337	2.38	ug/l		90
9) Chloroethane	1.95	64	40889	2.40	ug/l		94
10) Trichoroflouromethane	2.08	101	32962	2.20	ug/l		84
11) Freon-113	2.62	101	30567	2.28	ug/l		92
12) 1,1-Dichloroethene	2.56	61	43317	2.19	ug/l	#	79
13) Carbon disulfide	2.56	76	67626	1.96	ug/l	#	21
14) Methyl Acetate	3.51	43	10154m	2.21	ug/l		
15) Methylene Chloride	3.23	49	97933	4.34	ug/l		100
16) trans-1,2-Dichloroethene	3.41	61	36727	2.28	ug/l		90
17) 1,1-Dichloroethane	4.27	63	44275	2.17	ug/l		95
18) Vinyl acetate	4.74	43	31090	2.24	ug/l		87
19) 2,2-Dichloropropane	5.19	77	29661	2.19	ug/l		86
20) 2-Butanone	5.99	43	7232	2.66	ug/l		92
21) cis-1,2-Dichloroethene	5.06	61	33137	2.28	ug/l		98
22) Chloroform	5.48	83	31941	2.28	ug/l		84
23) Bromochloromethane	5.34	130	11581	2.19	ug/l		92
24) Cyclohexane	5.28	56	59804	2.38	ug/l		87
25) 1,1,1-Trichloroethane	5.71	97	23097	2.13	ug/l		83
26) T-butyl alcohol	3.85	59	9772m	24.15	ug/l		
29) 1,1-Dichloropropene	5.90	110	11881	2.29	ug/l	#	74
30) Carbon Tetrachloride	5.60	117	20381	2.07	ug/l		85
31) 1,2-Dichloroethane	6.54	62	16009	2.20	ug/l		92
32) Benzene	6.25	78	94226	2.29	ug/l		95
33) Trichloroethene	7.07	95	20051	2.18	ug/l		90
34) Methylcyclohexane	7.02	83	45245	2.25	ug/l		93
35) 1,2-Dichloropropane	7.80	63	25552	2.41	ug/l		97
37) Bromodichloromethane	7.93	83	19018	2.21	ug/l		88
38) Dibromomethane	7.67	174	7362	1.92	ug/l		94
39) 2-Chloroethylvinylether	8.80	63	7234	1.73	ug/l		82
40) cis-1,3-dichloropropene	8.81	75	29942	2.27	ug/l		90
42) Toluene	9.13	91	91006	2.39	ug/l		92
43) trans-1,3-Dichloropropene	9.75	75	20574	2.16	ug/l		95
44) 1,1,2-Trichloroethane	9.96	97	12412	2.42	ug/l	#	73
45) 4-Methyl-2-pentanone	9.74	43	10826	2.03	ug/l		85
46) 1,2-Dibromoethane	10.48	107	10920	2.22	ug/l		94
49) 2-Hexanone	10.93	43	8221	2.22	ug/l		77
50) 1,3-dichloropropane	10.33	76	21755	2.21	ug/l		87
51) Tetrachloroethene	9.63	166	21559	2.23	ug/l		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13256.D Vial: 1
Acq On : 1 Dec 2015 14:40 Operator: SG
Sample : S5L0109-CAL1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:05 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

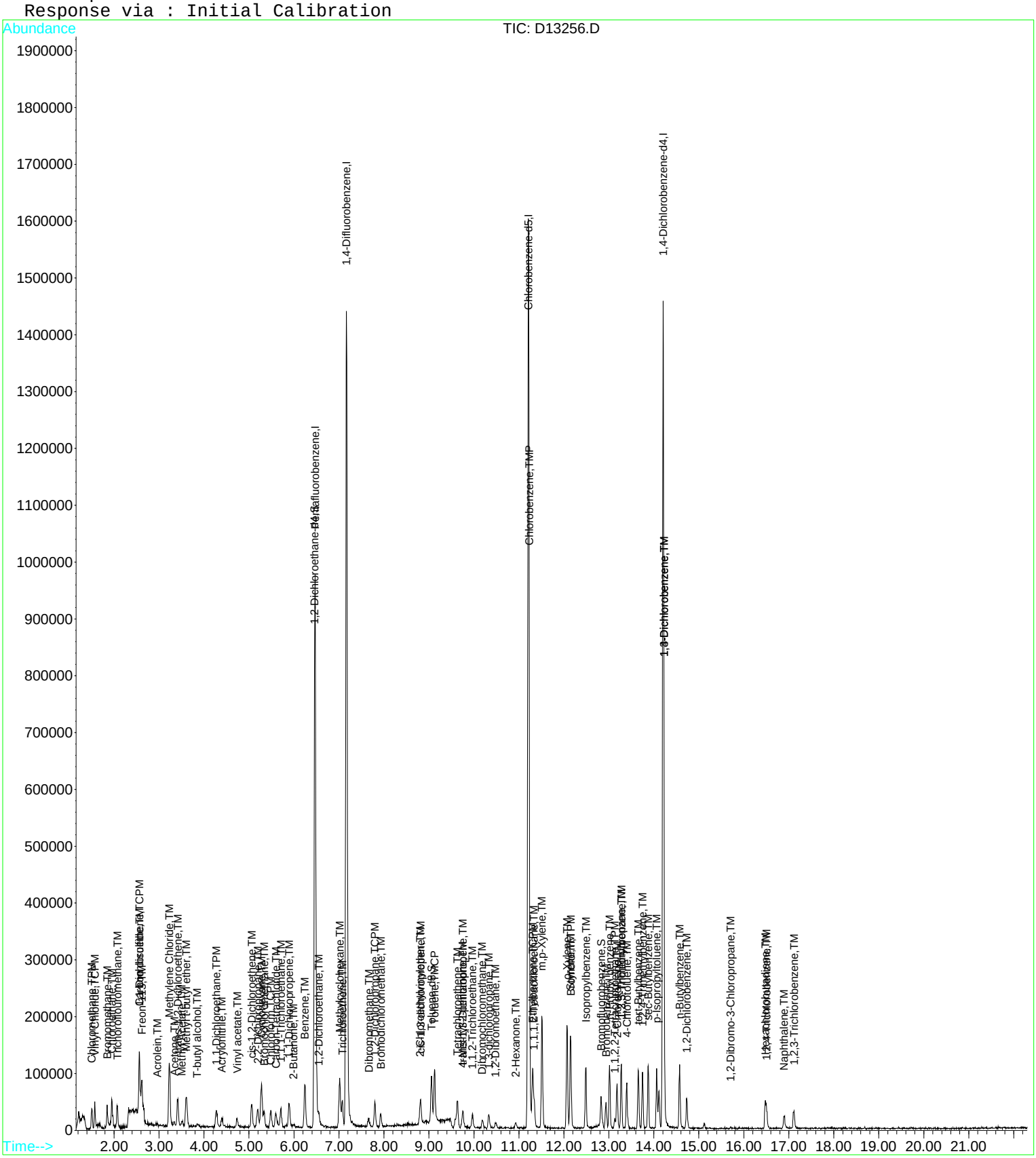
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52) Dibromochloromethane	10.18	129	11590	2.01	ug/l	#	64
53) Ethylbenzene	11.31	91	93255	2.37	ug/l		90
54) Chlorobenzene	11.23	112	55603	2.43	ug/l		92
55) 1,1,1,2-Tetrachloroethane	11.34	131	14211	2.16	ug/l	#	78
56) m,p-Xylene	11.52	91	137373	4.83	ug/l		99
57) o-Xylene	12.07	91	133071	4.77	ug/l		95
58) Styrene	12.15	104	111127	4.75	ug/l		100
59) Bromoform	12.16	173	5302	1.98	ug/l		97
61) Isopropylbenzene	12.48	105	94879	2.40	ug/l		99
62) 1,1,2,2-Tetrachloroethane	13.13	83	11736	2.27	ug/l		93
63) 1,2,3-Trichloropropane	13.27	75	9003	2.32	ug/l		83
64) n-Propyl benzene	13.01	91	112939	2.38	ug/l		98
65) Bromobenzene	12.94	77	30335	2.46	ug/l		98
66) 1,3,5-Trimethylbenzene	13.27	105	68557	2.40	ug/l		93
67) 2-Chlorotoluene	13.18	91	55678	2.34	ug/l		86
68) 4-Chlorotoluene	13.40	91	59285	2.49	ug/l		94
69) tert-Butylbenzene	13.65	119	67810	2.42	ug/l		97
70) 1,2,4-Trimethylbenzene	13.75	105	67924	2.41	ug/l		97
71) sec-Butylbenzene	13.87	105	106140	2.49	ug/l		98
72) p-Isopropyltoluene	14.06	119	79967	2.24	ug/l		95
73) 1,3-Dichlorobenzene	14.23	146	39195	2.47	ug/l		100
74) 1,4-Dichlorobenzene	14.23	146	39195	2.55	ug/l		97
75) n-Butylbenzene	14.57	91	78855	2.37	ug/l		98
76) 1,2-Dichlorobenzene	14.73	146	32922	2.55	ug/l		84
77) 1,2-Dibromo-3-Chloropropan	15.71	157	1003	4.25	ug/l	#	74
78) 1,2,4-Trichlorobenzene	16.51	180	18081	2.45	ug/l		98
79) Hexachlorobutadiene	16.48	225	10349	2.50	ug/l		95
80) Naphthalene	16.89	128	34526	2.69	ug/l		95
81) 1,2,3-Trichlorobenzene	17.11	180	15775	2.78	ug/l		98
82) Methyl t-butyl ether	3.61	73	72309	4.55	ug/l		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1201\D13256.D Vial: 1
Acq On : 1 Dec 2015 14:40 Operator: SG
Sample : S5L0109-CAL1 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:05 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13257.D Vial: 2
Acq On : 1 Dec 2015 15:11 Operator: SG
Sample : S5L0109-CAL2 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:09 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.47	168	861390	50.00	ug/l	-0.01
27) 1,4-Difluorobenzene	7.17	114	1550755	50.00	ug/l	-0.02
48) Chlorobenzene-d5	11.21	117	1143362	50.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	14.21	152	450768	50.00	ug/l	-0.01
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.45	65	64182	10.80	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	21.60%#		
41) Toluene-d8	9.05	98	330222	10.92	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	21.84%#		
47) Bromofluorobenzene	12.83	95	87538	9.76	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	19.52%#		
Target Compounds						Qvalue
2) Acrolein	2.95	56	10408m	53.39	ug/l	
3) Acrylonitrile	4.39	53	89615	60.76	ug/l	97
4) Acetone	3.35	43	28179	19.52	ug/l	77
5) Dichlorodifluoromethane	1.35	85	85638	24.75	ug/l	97
6) Chloromethane	1.51	50	192273	14.12	ug/l	100
7) Vinyl Chloride	1.57	62	207314	13.29	ug/l	97
8) Bromomethane	1.85	94	128680	12.16	ug/l	98
9) Chloroethane	1.95	64	186386	11.89	ug/l	99
10) Trichoroflouromethane	2.07	101	164490	11.95	ug/l	90
11) Freon-113	2.61	101	151387	12.24	ug/l	97
12) 1,1-Dichloroethene	2.56	61	204343	11.23	ug/l	88
13) Carbon disulfide	2.57	76	321418	10.14	ug/l	89
14) Methyl Acetate	3.50	43	50086	11.86	ug/l	99
15) Methylene Chloride	3.23	49	230007	15.58	ug/l	93
16) trans-1,2-Dichloroethene	3.41	61	178848	12.07	ug/l	85
17) 1,1-Dichloroethane	4.28	63	228708	12.20	ug/l	97
18) Vinyl acetate	4.73	43	159134	12.46	ug/l	100
19) 2,2-Dichloropropane	5.19	77	144708	11.63	ug/l	89
20) 2-Butanone	5.97	43	32194m	12.86	ug/l	
21) cis-1,2-Dichloroethene	5.05	61	164601	12.28	ug/l	85
22) Chloroform	5.49	83	156083	12.11	ug/l	96
23) Bromochloromethane	5.33	130	56708	11.67	ug/l	97
24) Cyclohexane	5.27	56	278114	12.05	ug/l	86
25) 1,1,1-Trichloroethane	5.70	97	120026	12.04	ug/l	89
26) T-butyl alcohol	3.86	59	48017	128.91	ug/l	89
29) 1,1-Dichloropropene	5.88	110	58801	12.15	ug/l	91
30) Carbon Tetrachloride	5.60	117	102296	11.11	ug/l	96
31) 1,2-Dichloroethane	6.55	62	78729	11.61	ug/l	89
32) Benzene	6.24	78	427295	11.14	ug/l	92
33) Trichloroethene	7.08	95	97339	11.31	ug/l	96
34) Methylcyclohexane	7.02	83	210825	11.23	ug/l	97
35) 1,2-Dichloropropane	7.80	63	114228	11.53	ug/l	95
37) Bromodichloromethane	7.93	83	100741	12.56	ug/l	99
38) Dibromomethane	7.66	174	40594	11.36	ug/l	93
39) 2-Chloroethylvinylether	8.80	63	45722	11.74	ug/l	97
40) cis-1,3-dichloropropene	8.81	75	140697	11.44	ug/l	93
42) Toluene	9.12	91	405793	11.41	ug/l	92
43) trans-1,3-Dichloropropene	9.75	75	106342	11.94	ug/l	93
44) 1,1,2-Trichloroethane	9.97	97	59897	12.52	ug/l	93
45) 4-Methyl-2-pentanone	9.73	43	58503	11.76	ug/l	88
46) 1,2-Dibromoethane	10.48	107	58239	12.67	ug/l	80
49) 2-Hexanone	10.93	43	43719	12.89	ug/l	98
50) 1,3-dichloropropane	10.33	76	111090	12.32	ug/l	100
51) Tetrachloroethene	9.63	166	98077	11.06	ug/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13257.D Vial: 2
Acq On : 1 Dec 2015 15:11 Operator: SG
Sample : S5L0109-CAL2 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:09 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

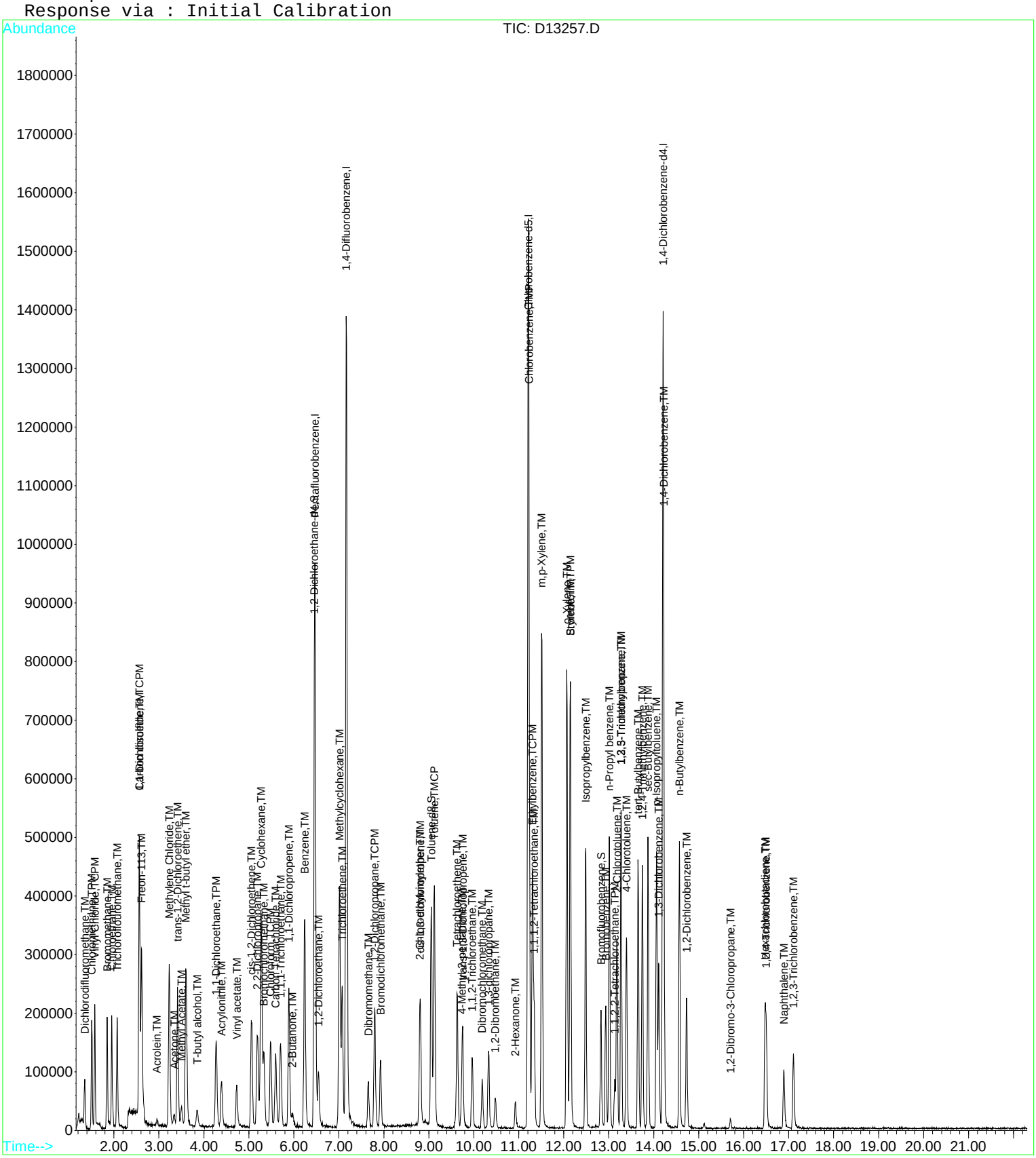
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
52) Dibromochloromethane	10.19	129	62858	11.87 ug/l	93
53) Ethylbenzene	11.30	91	416938	11.56 ug/l	98
54) Chlorobenzene	11.23	112	243656	11.62 ug/l	96
55) 1,1,1,2-Tetrachloroethane	11.35	131	73520	12.16 ug/l	93
56) m,p-Xylene	11.51	91	591475	22.67 ug/l	97
57) o-Xylene	12.07	91	566688	22.14 ug/l	94
58) Styrene	12.15	104	476068	22.20 ug/l	99
59) Bromoform	12.15	173	29229	11.91 ug/l	92
61) Isopropylbenzene	12.49	105	419028	12.09 ug/l	96
62) 1,1,2,2-Tetrachloroethane	13.13	83	60952	13.45 ug/l	90
63) 1,2,3-Trichloropropane	13.27	75	44242	13.01 ug/l	94
64) n-Propyl benzene	13.01	91	494476	11.91 ug/l	97
65) Bromobenzene	12.93	77	128432	11.87 ug/l	98
66) 1,3,5-Trimethylbenzene	13.28	105	308524	12.33 ug/l	97
67) 2-Chlorotoluene	13.18	91	252134	12.07 ug/l	100
68) 4-Chlorotoluene	13.39	91	242452	11.62 ug/l	95
69) tert-Butylbenzene	13.65	119	287902	11.72 ug/l	97
70) 1,2,4-Trimethylbenzene	13.75	105	307090	12.43 ug/l	98
71) sec-Butylbenzene	13.87	105	452100	12.09 ug/l	98
72) p-Isopropyltoluene	14.07	119	371655	11.87 ug/l	96
73) 1,3-Dichlorobenzene	14.11	146	161801	11.64 ug/l	97
74) 1,4-Dichlorobenzene	14.23	146	151801	11.25 ug/l	92
75) n-Butylbenzene	14.57	91	350418	12.03 ug/l	89
76) 1,2-Dichlorobenzene	14.73	146	131361	11.61 ug/l	96
77) 1,2-Dibromo-3-Chloropropan	15.71	157	6450	11.96 ug/l	87
78) 1,2,4-Trichlorobenzene	16.50	180	73658	11.39 ug/l	95
79) Hexachlorobutadiene	16.47	225	43153	11.89 ug/l	94
80) Naphthalene	16.89	128	131253	11.69 ug/l	93
81) 1,2,3-Trichlorobenzene	17.10	180	60530	12.18 ug/l	90
82) Methyl t-butyl ether	3.60	73	368332m	26.47 ug/l	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1201\D13257.D Vial: 2
Acq On : 1 Dec 2015 15:11 Operator: SG
Sample : S5L0109-CAL2 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:09 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13258.D Vial: 3
Acq On : 1 Dec 2015 15:47 Operator: SG
Sample : S5L0109-CAL3 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.46	168	721379	50.00	ug/l	-0.02
27) 1,4-Difluorobenzene	7.17	114	1264794	50.00	ug/l	-0.02
48) Chlorobenzene-d5	11.21	117	980805	50.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	14.21	152	427639	50.00	ug/l	-0.01
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.45	65	99226	20.48	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 40.96%#			
41) Toluene-d8	9.05	98	521286	21.14	ug/l	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 42.28%#			
47) Bromofluorobenzene	12.83	95	150514	20.58	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 41.16%#			
Target Compounds						Qvalue
2) Acrolein	2.95	56	14655	86.06	ug/l	77
3) Acrylonitrile	4.39	53	137563	111.37	ug/l	96
4) Acetone	3.33	43	39324	32.52	ug/l	81
5) Dichlorodifluoromethane	1.34	85	145804	50.83	ug/l	96
6) Chloromethane	1.50	50	337221	29.57	ug/l	97
7) Vinyl Chloride	1.57	62	346870	26.56	ug/l	97
8) Bromomethane	1.84	94	208156	23.48	ug/l	98
9) Chloroethane	1.94	64	305307	23.25	ug/l	100
10) Trichoroflouromethane	2.06	101	260516	22.59	ug/l	99
11) Freon-113	2.61	101	233195	22.52	ug/l	97
12) 1,1-Dichloroethene	2.55	61	324597	21.30	ug/l	83
13) Carbon disulfide	2.56	76	497752	18.75	ug/l	91
14) Methyl Acetate	3.49	43	77120	21.81	ug/l	99
15) Methylene Chloride	3.23	49	314501	27.28	ug/l	87
16) trans-1,2-Dichloroethene	3.41	61	272826	21.98	ug/l	88
17) 1,1-Dichloroethane	4.27	63	352350	22.45	ug/l	99
18) Vinyl acetate	4.72	43	236772	22.14	ug/l	98
19) 2,2-Dichloropropane	5.19	77	220630	21.16	ug/l	94
20) 2-Butanone	5.96	43	46172	22.02	ug/l	84
21) cis-1,2-Dichloroethene	5.05	61	255224	22.74	ug/l	91
22) Chloroform	5.48	83	235590	21.83	ug/l	98
23) Bromochloromethane	5.33	130	85873	21.10	ug/l	97
24) Cyclohexane	5.26	56	421661	21.81	ug/l	90
25) 1,1,1-Trichloroethane	5.70	97	190091	22.77	ug/l	93
26) T-butyl alcohol	3.85	59	69346	222.30	ug/l	81
29) 1,1-Dichloropropene	5.88	110	84089	21.30	ug/l	97
30) Carbon Tetrachloride	5.59	117	160643	21.40	ug/l	99
31) 1,2-Dichloroethane	6.55	62	124118	22.44	ug/l	94
32) Benzene	6.23	78	669722	21.41	ug/l	96
33) Trichloroethene	7.08	95	149020	21.23	ug/l	94
34) Methylcyclohexane	7.02	83	325530	21.26	ug/l	88
35) 1,2-Dichloropropane	7.79	63	173269	21.45	ug/l	87
37) Bromodichloromethane	7.92	83	150339	22.98	ug/l	96
38) Dibromomethane	7.66	174	63507	21.78	ug/l	89
39) 2-Chloroethylvinylether	8.78	63	66495	20.93	ug/l	95
40) cis-1,3-dichloropropene	8.81	75	221124	22.04	ug/l	90
42) Toluene	9.12	91	641024	22.09	ug/l	94
43) trans-1,3-Dichloropropene	9.76	75	155711	21.43	ug/l	91
44) 1,1,2-Trichloroethane	9.97	97	87364	22.39	ug/l	94
45) 4-Methyl-2-pentanone	9.73	43	82848	20.41	ug/l	94
46) 1,2-Dibromoethane	10.47	107	83350	22.24	ug/l	91
49) 2-Hexanone	10.92	43	63485	21.83	ug/l	96
50) 1,3-dichloropropane	10.33	76	166397	21.51	ug/l	93
51) Tetrachloroethene	9.63	166	162129	21.32	ug/l	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13258.D Vial: 3
Acq On : 1 Dec 2015 15:47 Operator: SG
Sample : S5L0109-CAL3 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

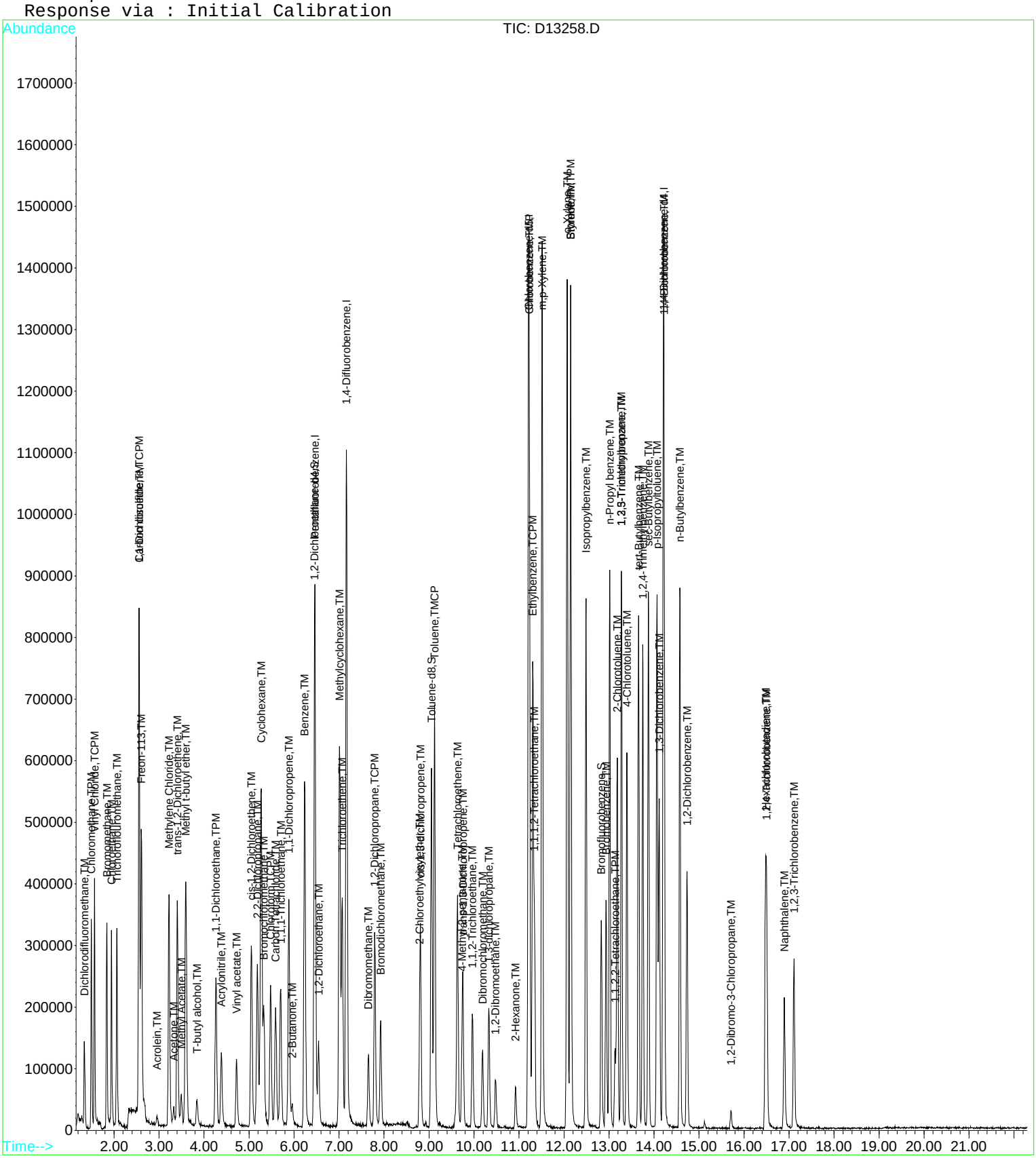
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
52) Dibromochloromethane	10.19	129	96380	21.22 ug/l	84
53) Ethylbenzene	11.30	91	701645	22.68 ug/l	100
54) Chlorobenzene	11.23	112	396186	22.02 ug/l	98
55) 1,1,1,2-Tetrachloroethane	11.34	131	110876	21.38 ug/l	95
56) m,p-Xylene	11.51	91	1024532	45.77 ug/l	99
57) o-Xylene	12.07	91	993841	45.26 ug/l	98
58) Styrene	12.15	104	833544	45.31 ug/l	99
59) Bromoform	12.15	173	46840	22.24 ug/l	88
61) Isopropylbenzene	12.49	105	728224	22.14 ug/l	98
62) 1,1,2,2-Tetrachloroethane	13.13	83	94304	21.94 ug/l	97
63) 1,2,3-Trichloropropane	13.27	75	69890	21.66 ug/l	94
64) n-Propyl benzene	13.01	91	895187	22.73 ug/l	97
65) Bromobenzene	12.93	77	226680	22.08 ug/l	99
66) 1,3,5-Trimethylbenzene	13.28	105	531969	22.42 ug/l	98
67) 2-Chlorotoluene	13.18	91	441578	22.28 ug/l	96
68) 4-Chlorotoluene	13.40	91	448928	22.69 ug/l	88
69) tert-Butylbenzene	13.66	119	521006	22.36 ug/l	99
70) 1,2,4-Trimethylbenzene	13.75	105	527030	22.49 ug/l	99
71) sec-Butylbenzene	13.87	105	823183	23.21 ug/l	100
72) p-Isopropyltoluene	14.07	119	684274	23.03 ug/l	98
73) 1,3-Dichlorobenzene	14.11	146	291624	22.12 ug/l	100
74) 1,4-Dichlorobenzene	14.23	146	280786	21.93 ug/l	92
75) n-Butylbenzene	14.58	91	643853	23.30 ug/l	96
76) 1,2-Dichlorobenzene	14.73	146	247437	23.05 ug/l	92
77) 1,2-Dibromo-3-Chloropropan	15.71	157	12984	21.99 ug/l	89
78) 1,2,4-Trichlorobenzene	16.50	180	148671	24.23 ug/l	91
79) Hexachlorobutadiene	16.48	225	90661	26.33 ug/l	98
80) Naphthalene	16.89	128	260486	24.45 ug/l	98
81) 1,2,3-Trichlorobenzene	17.11	180	122467	25.98 ug/l	94
82) Methyl t-butyl ether	3.59	73	531097	40.23 ug/l	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1201\D13258.D Vial: 3
Acq On : 1 Dec 2015 15:47 Operator: SG
Sample : S5L0109-CAL3 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13259.D Vial: 4
Acq On : 1 Dec 2015 16:17 Operator: SG
Sample : S5L0109-CAL4 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.47	168	878719	50.00	ug/l	0.00
27) 1,4-Difluorobenzene	7.17	114	1550625	50.00	ug/l	-0.01
48) Chlorobenzene-d5	11.21	117	1202204	50.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	14.21	152	517816	50.00	ug/l	-0.01
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.46	65	294751	49.61	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.22%			
41) Toluene-d8	9.06	98	1523633	50.39	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.78%			
47) Bromofluorobenzene	12.83	95	446943	49.85	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.70%			
Target Compounds						Qvalue
2) Acrolein	2.97	56	44003	204.19	ug/l	93
3) Acrylonitrile	4.39	53	406122	269.93	ug/l	99
4) Acetone	3.34	43	104756	71.10	ug/l	86
5) Dichlorodifluoromethane	1.35	85	410086	97.68	ug/l	97
6) Chloromethane	1.51	50	935453	67.33	ug/l	97
7) Vinyl Chloride	1.57	62	978233	61.48	ug/l	96
8) Bromomethane	1.85	94	645025	59.74	ug/l	97
9) Chloroethane	1.95	64	892594	55.81	ug/l	97
10) Trichoroflouromethane	2.06	101	786846	56.02	ug/l	95
11) Freon-113	2.62	101	658745	52.22	ug/l	99
12) 1,1-Dichloroethene	2.56	61	911967	49.13	ug/l	89
13) Carbon disulfide	2.56	76	1452005	44.90	ug/l	96
14) Methyl Acetate	3.51	43	215030	49.92	ug/l	99
15) Methylene Chloride	3.23	49	783453	58.83	ug/l	91
16) trans-1,2-Dichloroethene	3.42	61	794045	52.53	ug/l	87
17) 1,1-Dichloroethane	4.28	63	1026192	53.67	ug/l	97
18) Vinyl acetate	4.74	43	712318	54.67	ug/l	94
19) 2,2-Dichloropropane	5.20	77	661030	52.06	ug/l	94
20) 2-Butanone	5.96	43	146521	57.36	ug/l	97
21) cis-1,2-Dichloroethene	5.06	61	751325	54.97	ug/l	87
22) Chloroform	5.49	83	712699	54.21	ug/l	98
23) Bromochloromethane	5.34	130	251619	50.76	ug/l	95
24) Cyclohexane	5.28	56	1212155	51.48	ug/l	89
25) 1,1,1-Trichloroethane	5.71	97	546891	53.79	ug/l	92
26) T-butyl alcohol	3.87	59	215297	566.59	ug/l	91
29) 1,1-Dichloropropene	5.90	110	258524	53.41	ug/l	97
30) Carbon Tetrachloride	5.60	117	473453	51.44	ug/l	91
31) 1,2-Dichloroethane	6.55	62	359478	53.01	ug/l	86
32) Benzene	6.25	78	1960260	51.10	ug/l	95
33) Trichloroethene	7.08	95	450529	52.35	ug/l	98
34) Methylcyclohexane	7.02	83	953113	50.78	ug/l	90
35) 1,2-Dichloropropane	7.80	63	527010	53.22	ug/l	91
37) Bromodichloromethane	7.93	83	449433	56.04	ug/l	98
38) Dibromomethane	7.66	174	187351	52.41	ug/l	98
39) 2-Chloroethylvinylether	8.80	63	206620	53.04	ug/l	97
40) cis-1,3-dichloropropene	8.81	75	663141	53.92	ug/l	98
42) Toluene	9.13	91	1873729	52.68	ug/l	95
43) trans-1,3-Dichloropropene	9.76	75	483222	54.25	ug/l	96
44) 1,1,2-Trichloroethane	9.96	97	259283	54.19	ug/l	96
45) 4-Methyl-2-pentanone	9.73	43	261618	52.57	ug/l	98
46) 1,2-Dibromoethane	10.48	107	260913	56.78	ug/l	95
49) 2-Hexanone	10.93	43	200269	56.17	ug/l	91
50) 1,3-dichloropropane	10.33	76	505172	53.27	ug/l	99
51) Tetrachloroethene	9.64	166	475123	50.97	ug/l	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13259.D Vial: 4
Acq On : 1 Dec 2015 16:17 Operator: SG
Sample : S5L0109-CAL4 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

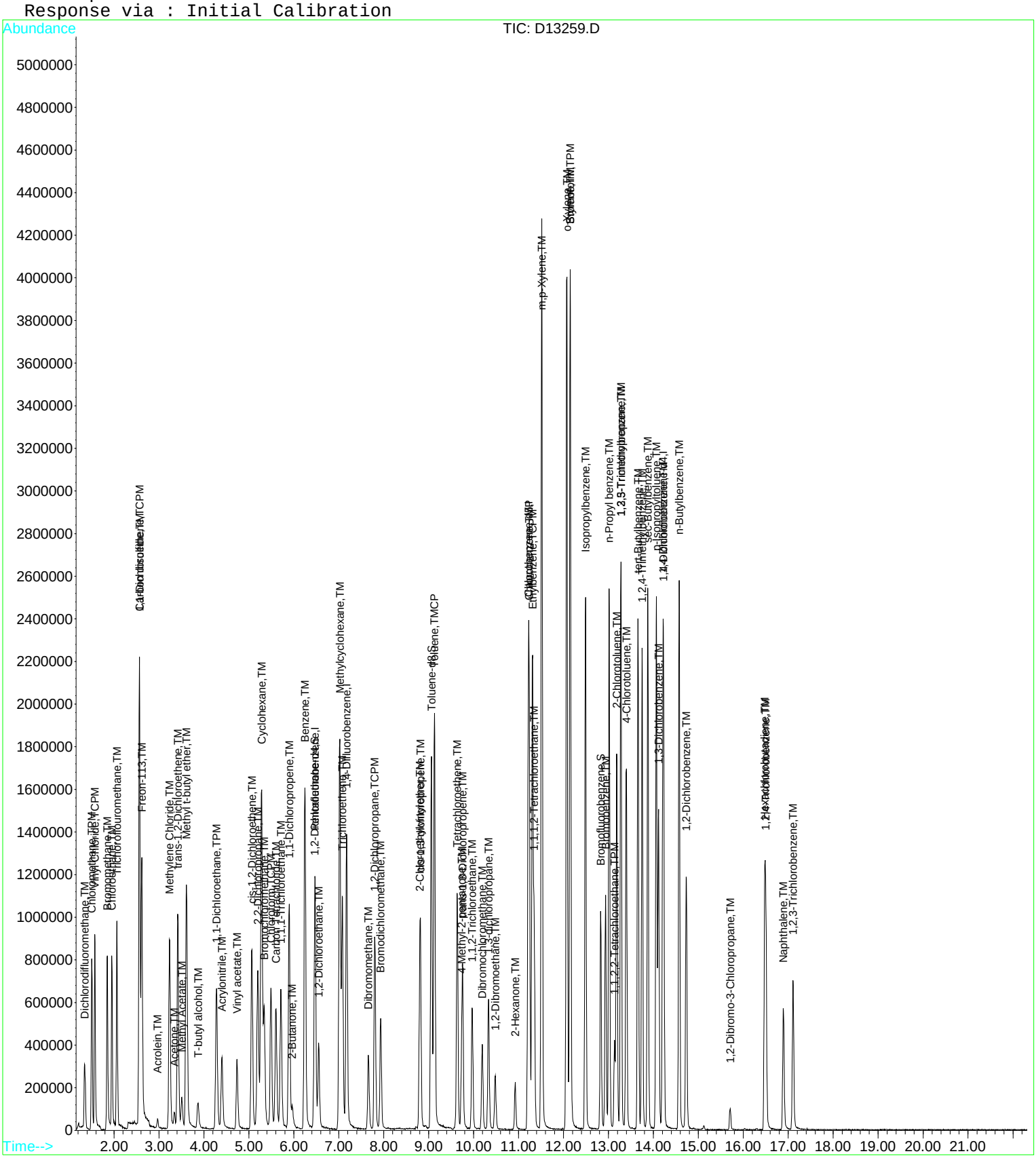
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52) Dibromochloromethane	10.19	129	300274	53.93	ug/l	88
53) Ethylbenzene	11.31	91	2046833	53.98	ug/l	100
54) Chlorobenzene	11.24	112	1220841	55.36	ug/l	99
55) 1,1,1,2-Tetrachloroethane	11.35	131	344472	54.20	ug/l	96
56) m,p-Xylene	11.52	91	2943096	107.28	ug/l	99
57) o-Xylene	12.08	91	2863156	106.38	ug/l	99
58) Styrene	12.15	104	2520047	111.76	ug/l	99
59) Bromoform	12.15	173	143028	55.41	ug/l	81
61) Isopropylbenzene	12.49	105	2136651	53.66	ug/l	99
62) 1,1,2,2-Tetrachloroethane	13.13	83	283421	54.46	ug/l	99
63) 1,2,3-Trichloropropane	13.27	75	209280	53.57	ug/l	98
64) n-Propyl benzene	13.01	91	2546625	53.41	ug/l	95
65) Bromobenzene	12.94	77	649131	52.22	ug/l	95
66) 1,3,5-Trimethylbenzene	13.28	105	1575365	54.82	ug/l	98
67) 2-Chlorotoluene	13.18	91	1261089	52.56	ug/l	92
68) 4-Chlorotoluene	13.40	91	1292299	53.94	ug/l	88
69) tert-Butylbenzene	13.66	119	1490437	52.82	ug/l	97
70) 1,2,4-Trimethylbenzene	13.75	105	1531181	53.96	ug/l	98
71) sec-Butylbenzene	13.87	105	2351873	54.76	ug/l	98
72) p-Isopropyltoluene	14.07	119	1943801	54.04	ug/l	99
73) 1,3-Dichlorobenzene	14.11	146	847617	53.09	ug/l	100
74) 1,4-Dichlorobenzene	14.23	146	821034	52.97	ug/l	95
75) n-Butylbenzene	14.57	91	1812174	54.17	ug/l	98
76) 1,2-Dichlorobenzene	14.73	146	697522	53.67	ug/l	98
77) 1,2-Dibromo-3-Chloropropan	15.71	157	41146	52.64	ug/l	97
78) 1,2,4-Trichlorobenzene	16.50	180	410371	55.23	ug/l	96
79) Hexachlorobutadiene	16.47	225	243898	58.50	ug/l	99
80) Naphthalene	16.89	128	708506	54.91	ug/l	99
81) 1,2,3-Trichlorobenzene	17.10	180	329206	57.68	ug/l	100
82) Methyl t-butyl ether	3.61	73	1578350	98.74	ug/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1201\D13259.D Vial: 4
Acq On : 1 Dec 2015 16:17 Operator: SG
Sample : S5L0109-CAL4 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13260.D Vial: 5
Acq On : 1 Dec 2015 17:09 Operator: SG
Sample : S5L0109-CAL5 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.46	168	791437	50.00	ug/l	-0.02
27) 1,4-Difluorobenzene	7.16	114	1387995	50.00	ug/l	-0.02
48) Chlorobenzene-d5	11.21	117	1066793	50.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	14.22	152	458926	50.00	ug/l	0.00
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.44	65	543782	102.26	ug/l	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 204.52%#			
41) Toluene-d8	9.05	98	2786461	102.96	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 130		Recovery = 205.92%#			
47) Bromofluorobenzene	12.83	95	822569	102.49	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 204.98%#			
Target Compounds						Qvalue
2) Acrolein	2.94	56	86274	438.12	ug/l	93
3) Acrylonitrile	4.38	53	775211	572.07	ug/l	98
4) Acetone	3.31	43	196433	148.03	ug/l	95
5) Dichlorodifluoromethane	1.34	85	902077	176.10	ug/l	100
6) Chloromethane	1.49	50	1827765	146.06	ug/l	100
7) Vinyl Chloride	1.56	62	1895358	132.27	ug/l	99
8) Bromomethane	1.83	94	1218264	125.27	ug/l	100
9) Chloroethane	1.93	64	1631870	113.29	ug/l	99
10) Trichoroflouromethane	2.05	101	1431593	113.17	ug/l	92
11) Freon-113	2.60	101	1196065	105.27	ug/l	97
12) 1,1-Dichloroethene	2.54	61	1651462	98.77	ug/l	92
13) Carbon disulfide	2.55	76	2623642	90.09	ug/l	99
14) Methyl Acetate	3.48	43	390520	100.66	ug/l	99
15) Methylene Chloride	3.21	49	1390723	118.78	ug/l	91
16) trans-1,2-Dichloroethene	3.40	61	1456002	106.94	ug/l	91
17) 1,1-Dichloroethane	4.26	63	1861602	108.10	ug/l	100
18) Vinyl acetate	4.72	43	1332543	113.55	ug/l	100
19) 2,2-Dichloropropane	5.18	77	1216802	106.39	ug/l	97
20) 2-Butanone	5.94	43	275265	119.64	ug/l	89
21) cis-1,2-Dichloroethene	5.05	61	1369471	111.24	ug/l	89
22) Chloroform	5.47	83	1285604	108.57	ug/l	98
23) Bromochloromethane	5.32	130	471487	105.61	ug/l	98
24) Cyclohexane	5.26	56	2193172	103.41	ug/l	90
25) 1,1,1-Trichloroethane	5.70	97	995474	108.71	ug/l	89
26) T-butyl alcohol	3.84	59	402285	1175.43	ug/l	96
29) 1,1-Dichloropropene	5.88	110	471389	108.79	ug/l	99
30) Carbon Tetrachloride	5.59	117	856614	103.98	ug/l	95
31) 1,2-Dichloroethane	6.54	62	671819	110.68	ug/l	90
32) Benzene	6.23	78	3591149	104.59	ug/l	95
33) Trichloroethene	7.07	95	828897	107.59	ug/l	94
34) Methylcyclohexane	7.01	83	1738214	103.46	ug/l	93
35) 1,2-Dichloropropane	7.79	63	969662	109.39	ug/l	95
37) Bromodichloromethane	7.92	83	840629	117.11	ug/l	99
38) Dibromomethane	7.65	174	334145	104.43	ug/l	95
39) 2-Chloroethylvinylether	8.79	63	391120	112.16	ug/l	96
40) cis-1,3-dichloropropene	8.81	75	1224283	111.21	ug/l	94
42) Toluene	9.12	91	3369740	105.83	ug/l	98
43) trans-1,3-Dichloropropene	9.75	75	898114	112.65	ug/l	99
44) 1,1,2-Trichloroethane	9.96	97	472189	110.25	ug/l	96
45) 4-Methyl-2-pentanone	9.72	43	471176	105.78	ug/l	98
46) 1,2-Dibromoethane	10.48	107	469918	114.25	ug/l	96
49) 2-Hexanone	10.92	43	375622	118.73	ug/l	90
50) 1,3-dichloropropane	10.33	76	903992	107.43	ug/l	99
51) Tetrachloroethene	9.63	166	872277	105.45	ug/l	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13260.D Vial: 5
Acq On : 1 Dec 2015 17:09 Operator: SG
Sample : S5L0109-CAL5 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

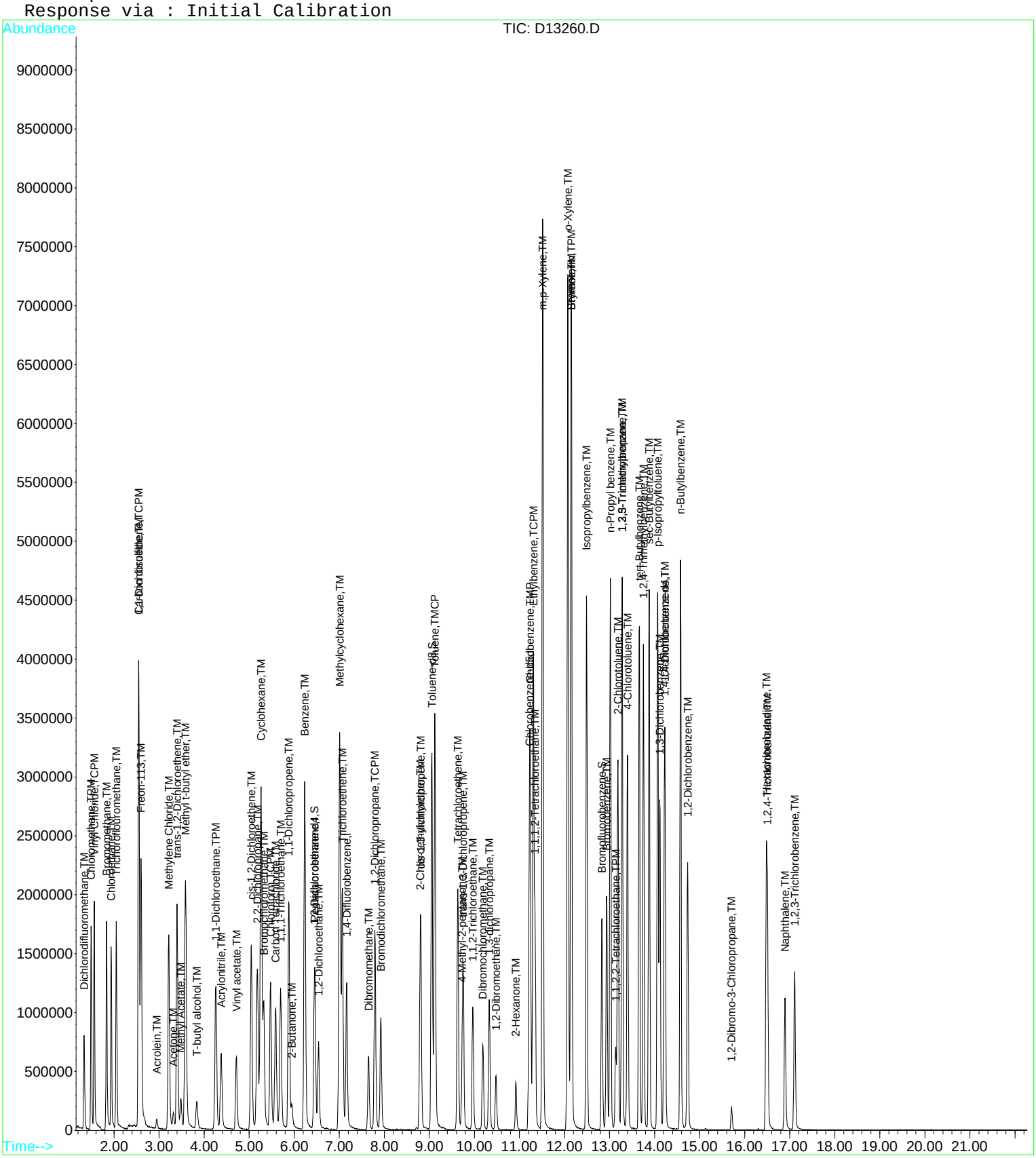
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
52) Dibromochloromethane	10.18	129	563670	114.09 ug/l	94
53) Ethylbenzene	11.31	91	3682672	109.44 ug/l	98
54) Chlorobenzene	11.24	112	2173237	111.05 ug/l	99
55) 1,1,1,2-Tetrachloroethane	11.35	131	633067	112.26 ug/l	92
56) m,p-Xylene	11.51	91	5292596	217.41 ug/l	96
57) o-Xylene	12.07	91	5112833	214.08 ug/l	98
58) Styrene	12.15	104	4530815	226.43 ug/l	99
59) Bromoform	12.15	173	273141	119.25 ug/l	78
61) Isopropylbenzene	12.49	105	3798948	107.64 ug/l	97
62) 1,1,2,2-Tetrachloroethane	13.13	83	500261	108.46 ug/l	97
63) 1,2,3-Trichloropropane	13.28	75	379393	109.58 ug/l	100
64) n-Propyl benzene	13.02	91	4557086	107.84 ug/l	94
65) Bromobenzene	12.93	77	1206277	109.49 ug/l	99
66) 1,3,5-Trimethylbenzene	13.28	105	2804068	110.11 ug/l	97
67) 2-Chlorotoluene	13.19	91	2283732	107.39 ug/l	89
68) 4-Chlorotoluene	13.40	91	2317270	109.12 ug/l	92
69) tert-Butylbenzene	13.66	119	2728321	109.10 ug/l	96
70) 1,2,4-Trimethylbenzene	13.75	105	2745224	109.17 ug/l	96
71) sec-Butylbenzene	13.88	105	4270272	112.19 ug/l	98
72) p-Isopropyltoluene	14.07	119	3537504	110.96 ug/l	99
73) 1,3-Dichlorobenzene	14.11	146	1532922	108.33 ug/l	100
74) 1,4-Dichlorobenzene	14.23	146	1499981	109.18 ug/l	97
75) n-Butylbenzene	14.58	91	3293090	111.06 ug/l	98
76) 1,2-Dichlorobenzene	14.73	146	1280416	111.16 ug/l	99
77) 1,2-Dibromo-3-Chloropropan	15.71	157	81722	114.19 ug/l	87
78) 1,2,4-Trichlorobenzene	16.51	180	788836	119.78 ug/l	98
79) Hexachlorobutadiene	16.48	225	464647	125.76 ug/l	98
80) Naphthalene	16.89	128	1373168	120.08 ug/l	98
81) 1,2,3-Trichlorobenzene	17.11	180	628920	124.34 ug/l	98
82) Methyl t-butyl ether	3.59	73	2845631	200.87 ug/l	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1201\D13260.D Vial: 5
Acq On : 1 Dec 2015 17:09 Operator: SG
Sample : S5L0109-CAL5 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13261.D Vial: 6
Acq On : 1 Dec 2015 17:39 Operator: SG
Sample : S5L0109-CAL6 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.47	168	946130	50.00	ug/l	0.00
27) 1,4-Difluorobenzene	7.18	114	1681702	50.00	ug/l	0.00
48) Chlorobenzene-d5	11.22	117	1362683	50.00	ug/l	0.00
60) 1,4-Dichlorobenzene-d4	14.22	152	573146	50.00	ug/l	0.00
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	6.46	65	1210589	187.89	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 375.78%#			
41) Toluene-d8	9.07	98	6180378	188.48	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 376.96%#			
47) Bromofluorobenzene	12.83	95	1869077	192.21	ug/l	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 384.42%#			
Target Compounds						Qvalue
2) Acrolein	2.97	56	183530	775.39	ug/l	88
3) Acrylonitrile	4.40	53	1657305	1023.04	ug/l	96
4) Acetone	3.34	43	425677	268.32	ug/l	94
5) Dichlorodifluoromethane	1.35	85	2121637	264.37	ug/l	100
6) Chloromethane	1.51	50	4352192	290.93	ug/l	95
7) Vinyl Chloride	1.57	62	4579440	267.32	ug/l	94
8) Bromomethane	1.85	94	2792686	240.22	ug/l	99
9) Chloroethane	1.96	64	3588543	208.40	ug/l	99
10) Trichoroflouromethane	2.07	101	3189176	210.89	ug/l	93
11) Freon-113	2.62	101	2606256	191.88	ug/l	98
12) 1,1-Dichloroethene	2.56	61	3542119	177.21	ug/l	94
13) Carbon disulfide	2.57	76	5619305	161.40	ug/l	97
14) Methyl Acetate	3.51	43	849360	183.14	ug/l	96
15) Methylene Chloride	3.24	49	2918416	210.70	ug/l	96
16) trans-1,2-Dichloroethene	3.42	61	3239721	199.05	ug/l	92
17) 1,1-Dichloroethane	4.28	63	4087907	198.57	ug/l	99
18) Vinyl acetate	4.74	43	2951233	210.37	ug/l	99
19) 2,2-Dichloropropane	5.20	77	2720314	198.97	ug/l	96
20) 2-Butanone	5.96	43	600580	218.35	ug/l	89
21) cis-1,2-Dichloroethene	5.07	61	2987105	202.96	ug/l	91
22) Chloroform	5.49	83	2907608	205.40	ug/l	98
23) Bromochloromethane	5.35	130	1053681	197.42	ug/l	96
24) Cyclohexane	5.29	56	4762747	187.85	ug/l	93
25) 1,1,1-Trichloroethane	5.72	97	2234935	204.15	ug/l	89
26) T-butyl alcohol	3.86	59	883207	2158.70	ug/l	94
29) 1,1-Dichloropropene	5.90	110	1052886	200.56	ug/l	99
30) Carbon Tetrachloride	5.61	117	1926991	193.05	ug/l	95
31) 1,2-Dichloroethane	6.55	62	1482174	201.54	ug/l	91
32) Benzene	6.25	78	7852846	188.77	ug/l	92
33) Trichloroethene	7.08	95	1873491	200.71	ug/l	94
34) Methylcyclohexane	7.03	83	3846930	188.98	ug/l	93
35) 1,2-Dichloropropane	7.80	63	2186243	203.56	ug/l	94
37) Bromodichloromethane	7.94	83	1952288	224.47	ug/l	98
38) Dibromomethane	7.66	174	773598	199.55	ug/l	97
39) 2-Chloroethylvinylether	8.80	63	894802	211.78	ug/l	99
40) cis-1,3-dichloropropene	8.82	75	2773021	207.89	ug/l	98
42) Toluene	9.13	91	7495678	194.30	ug/l	98
43) trans-1,3-Dichloropropene	9.76	75	2063366	213.61	ug/l	99
44) 1,1,2-Trichloroethane	9.97	97	1091477	210.34	ug/l	98
45) 4-Methyl-2-pentanone	9.73	43	1082726	200.63	ug/l	96
46) 1,2-Dibromoethane	10.48	107	1089621	218.65	ug/l	97
49) 2-Hexanone	10.93	43	869977	215.27	ug/l	93
50) 1,3-dichloropropane	10.34	76	2072550	192.83	ug/l	99
51) Tetrachloroethene	9.64	166	2003458	189.61	ug/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\D\DATA15\DEC15\D1201\D13261.D Vial: 6
Acq On : 1 Dec 2015 17:39 Operator: SG
Sample : S5L0109-CAL6 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Quant Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Tue Dec 01 14:59:37 2015
Response via : Initial Calibration
DataAcq Meth : VD8S1201

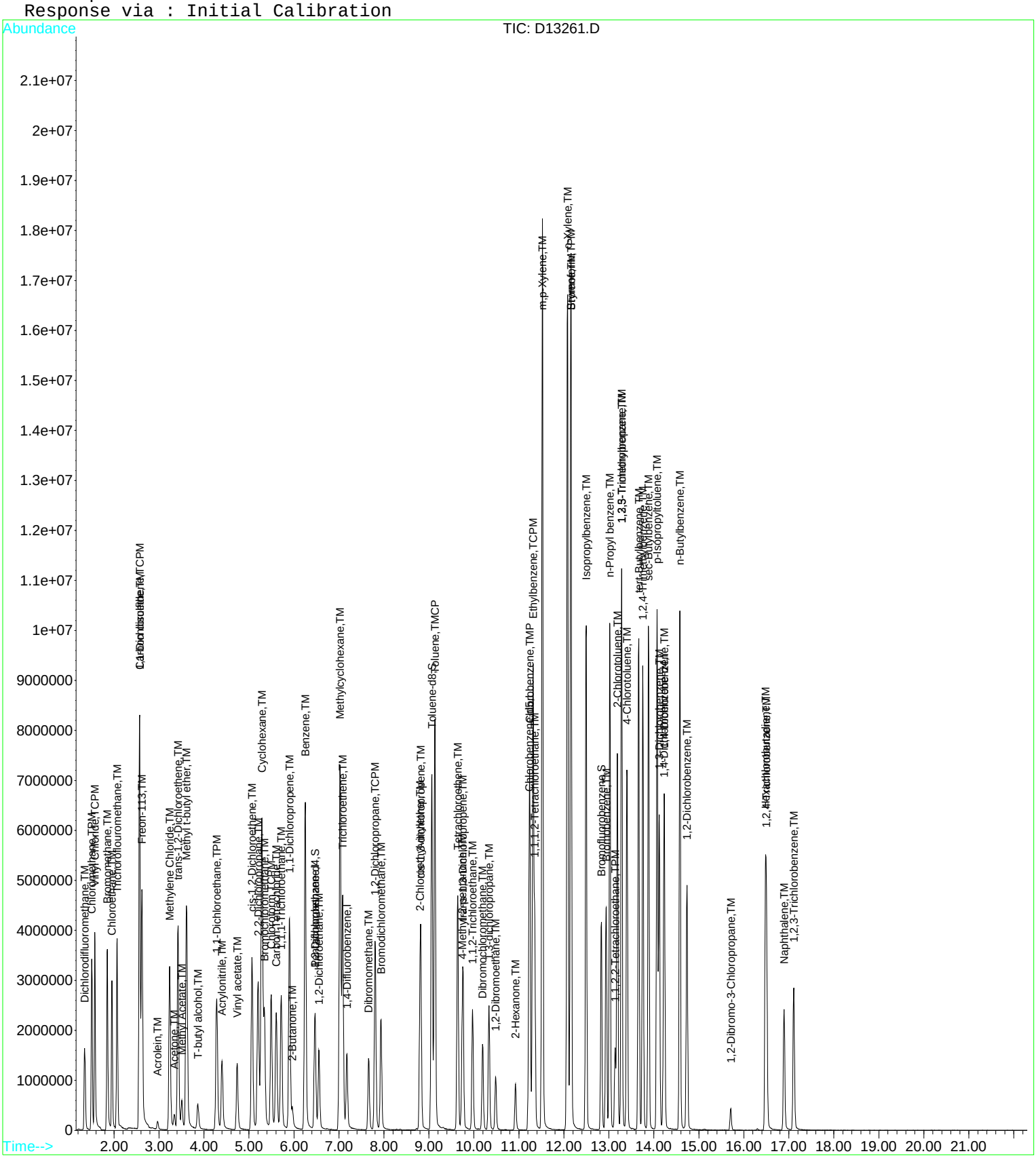
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
52) Dibromochloromethane	10.19	129	1303708	206.58 ug/l	96
53) Ethylbenzene	11.32	91	8190005	190.54 ug/l	92
54) Chlorobenzene	11.24	112	4930479	197.23 ug/l	99
55) 1,1,1,2-Tetrachloroethane	11.35	131	1513162	210.06 ug/l	97
56) m,p-Xylene	11.52	91	11622541	373.76 ug/l	91
57) o-Xylene	12.08	91	11270190	369.44 ug/l	90
58) Styrene	12.16	104	10357217	405.22 ug/l	95
59) Bromoform	12.16	173	675239	230.80 ug/l	79
61) Isopropylbenzene	12.50	105	8355174	189.56 ug/l	92
62) 1,1,2,2-Tetrachloroethane	13.14	83	1194297	207.33 ug/l	99
63) 1,2,3-Trichloropropane	13.28	75	876947	202.81 ug/l	100
64) n-Propyl benzene	13.02	91	9721370	184.20 ug/l	89
65) Bromobenzene	12.93	77	2708753	196.87 ug/l	98
66) 1,3,5-Trimethylbenzene	13.28	105	6196472	194.82 ug/l	95
67) 2-Chlorotoluene	13.19	91	5103187	192.16 ug/l	91
68) 4-Chlorotoluene	13.40	91	5169207	194.91 ug/l	90
69) tert-Butylbenzene	13.66	119	5938684	190.15 ug/l	97
70) 1,2,4-Trimethylbenzene	13.75	105	6026537	191.89 ug/l	94
71) sec-Butylbenzene	13.88	105	8968206	188.66 ug/l	94
72) p-Isopropyltoluene	14.07	119	7516782	188.78 ug/l	95
73) 1,3-Dichlorobenzene	14.12	146	3452899	195.39 ug/l	100
74) 1,4-Dichlorobenzene	14.23	146	3368244	196.32 ug/l	93
75) n-Butylbenzene	14.58	91	6890856	186.09 ug/l	98
76) 1,2-Dichlorobenzene	14.73	146	2828607	196.63 ug/l	99
77) 1,2-Dibromo-3-Chloropropan	15.71	157	180900	200.06 ug/l	93
78) 1,2,4-Trichlorobenzene	16.50	180	1734417	210.88 ug/l	97
79) Hexachlorobutadiene	16.48	225	1017243	220.45 ug/l	98
80) Naphthalene	16.89	128	2914340	204.06 ug/l	98
81) 1,2,3-Trichlorobenzene	17.11	180	1332819	210.99 ug/l	99
82) Methyl t-butyl ether	3.61	73	6126691	346.29 ug/l	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\D\DATA15\DEC15\D1201\D13261.D Vial: 6
Acq On : 1 Dec 2015 17:39 Operator: SG
Sample : S5L0109-CAL6 Inst : GC/MS D
Misc : SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 18:06 2015 Quant Results File: VD8S1201.RES

Method : D:\D\METHODS\VD8S1201.M (RTE Integrator)
Title : VOA 8260 SOIL TCL METHOD
Last Update : Mon Dec 07 10:21:05 2015
Response via : Initial Calibration



Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

METALS SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Matrix:	Soil
Percent Solids:	71.30	File ID:	122815A-019

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	7830	28.1	28.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-97-6	Mercury	0.108	0.105	0.105	1		12/24/15 07:47	EPA 7471A	12/24/15 11:01 PRT	EPA 7471
7440-36-0	Antimony	ND	5.61	5.61	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-38-2	Arsenic	2.77	1.40	1.40	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-39-3	Barium	60.3	28.1	28.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.701	0.701	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.701	0.701	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-70-2	Calcium	12900	35.1	35.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-47-3	Chromium	16.1	2.81	2.81	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-48-4	Cobalt	ND	7.01	7.01	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-50-8	Copper	24.4	4.21	4.21	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-89-6	Iron	13800	35.1	35.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-92-1	Lead	48.5	1.40	1.40	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-95-4	Magnesium	8720	70.1	70.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7439-96-5	Manganese	319	2.81	2.81	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-02-0	Nickel	10.5	5.61	5.61	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-09-7	Potassium	1640	70.1	70.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7782-49-2	Selenium	ND	5.61	5.61	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-22-4	Silver	ND	0.701	0.701	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-23-5	Sodium	209	70.1	70.1	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-28-0	Thallium	ND	2.10	4.21	1	U	12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-62-2	Vanadium	22.0	7.01	7.01	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010
7440-66-6	Zinc	64.4	8.42	8.42	1		12/24/15 08:18	EPA 3050B	12/28/15 11:22 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS QC SUMMARY

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 7471
Batch:	B5L2401	Preparation:	EPA 7471A
% Solids:	92.10	Laboratory ID:	B5L2401-MS1
		Client Sample ID:	1502315-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Mercury	2.17	ND	2.10	96.8	75 - 125

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Mercury	2.17	2.09	96.1	0.765	20	75 - 125

* Values outside of QC limits

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5L2404	Preparation:	EPA 3050B
% Solids:	93.00	Laboratory ID:	B5L2404-MS1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)		MS % REC.		QC LIMITS REC.
Aluminum	269	1510	3660	*	801	*	75 - 125
Antimony	269	ND	272		101		75 - 125
Arsenic	269	1.23	279		103		75 - 125
Barium	269	ND	302		112		75 - 125
Beryllium	269	ND	285		106		75 - 125
Cadmium	269	ND	283		105		75 - 125
Calcium	269	2350	1000	*	-503	*	75 - 125
Chromium	269	5.58	281		102		75 - 125
Cobalt	269	ND	274		102		75 - 125
Copper	269	6.66	285		104		75 - 125
Iron	269	3080	3750	*	249	*	75 - 125
Lead	269	14.2	293		104		75 - 125
Magnesium	269	255	484		85.0		75 - 125
Manganese	269	13.4	296		105		75 - 125
Nickel	269	ND	276		103		75 - 125
Potassium	269	139	605	*	173	*	75 - 125
Selenium	269	ND	266		98.8		75 - 125
Silver	26.9	ND	23.8		88.5		75 - 125
Sodium	269	ND	331		123		75 - 125
Thallium	269	ND	270		100		75 - 125
Vanadium	269	ND	294		109		75 - 125
Zinc	269	22.8	296		102		75 - 125

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 6010
Batch:	B5L2404	Preparation:	EPA 3050B
% Solids:	93.00	Laboratory ID:	B5L2404-MSD1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Aluminum	269	3870	878	*	5.51	20	75 - 125
Antimony	269	268	99.7		1.59	20	75 - 125
Arsenic	269	275	102		1.34	20	75 - 125
Barium	269	299	111		0.966	20	75 - 125
Beryllium	269	278	104		2.29	20	75 - 125
Cadmium	269	279	104		1.38	20	75 - 125
Calcium	269	984	-509	*	1.68	20	75 - 125
Chromium	269	280	102		0.268	20	75 - 125
Cobalt	269	270	100		1.54	20	75 - 125
Copper	269	281	102		1.50	20	75 - 125
Iron	269	3790	266	*	1.24	20	75 - 125
Lead	269	286	101		2.23	20	75 - 125
Magnesium	269	473	81.1		2.21	20	75 - 125
Manganese	269	291	103		1.72	20	75 - 125
Nickel	269	272	101		1.26	20	75 - 125
Potassium	269	604	173	*	0.178	20	75 - 125
Selenium	269	262	97.3		1.51	20	75 - 125
Silver	26.9	23.4	87.0		1.71	20	75 - 125
Sodium	269	326	121		1.44	20	75 - 125
Thallium	269	265	98.7		1.69	20	75 - 125
Vanadium	269	285	106		2.93	20	75 - 125
Zinc	269	290	99.4		2.13	20	75 - 125

* Values outside of QC limits

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 7471

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 7471A
Prep Batch:	B5L2401	Lab Sample ID:	B5L2401-BS1

ANALYTE	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC.	QC LIMITS REC.
Mercury	2.00	1.97	98.4	85 - 115

* Values outside of QC limits

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 6010

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 3050B
Prep Batch:	B5L2404	Lab Sample ID:	B5L2404-BS1

ANALYTE	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC.	QC LIMITS REC.
Aluminum	250	260	104	85 - 115
Antimony	250	258	103	85 - 115
Arsenic	250	256	102	85 - 115
Barium	250	263	105	85 - 115
Beryllium	250	261	105	85 - 115
Cadmium	250	261	104	85 - 115
Calcium	250	257	103	85 - 115
Chromium	250	256	102	85 - 115
Cobalt	250	258	103	85 - 115
Copper	250	261	104	85 - 115
Iron	250	261	104	85 - 115
Lead	250	261	104	85 - 115
Magnesium	250	258	103	85 - 115
Manganese	250	263	105	85 - 115
Nickel	250	258	103	85 - 115
Potassium	250	255	102	85 - 115
Selenium	250	251	100	85 - 115
Silver	25.0	22.8	91.2	85 - 115
Sodium	250	261	104	85 - 115
Thallium	250	263	105	85 - 115
Vanadium	250	262	105	85 - 115
Zinc	250	257	103	85 - 115

* Values outside of QC limits

Accredited Analytical Resources, LLC.

POST DIGEST SPIKE SAMPLE RECOVERY

1502322-02

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502323
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Matrix:	Solid	Laboratory ID:	B5L2404-PS1
Batch:	B5L2404	Analysis:	EPA 6010
Preparation:	EPA 3050B	Initial/Final:	0.2 g / 10 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Aluminum	31200	28100	5000	61.8	80 - 120
Antimony	4940	ND	5000	98.8	80 - 120
Arsenic	4990	22.9	5000	99.3	80 - 120
Barium	5210	ND	5000	101	80 - 120
Beryllium	4920	ND	5000	98.4	80 - 120
Cadmium	4960	ND	5000	99.2	80 - 120
Calcium	45800	43800	5000	40.0	80 - 120
Chromium	4970	104	5000	97.3	80 - 120
Cobalt	4830	ND	5000	96.4	80 - 120
Copper	5070	124	5000	99.0	80 - 120
Iron	58600	57200	5000	27.4	80 - 120
Lead	5120	264	5000	97.0	80 - 120
Magnesium	9260	4750	5000	90.3	80 - 120
Manganese	5220	249	5000	99.4	80 - 120
Nickel	4860	ND	5000	96.8	80 - 120
Potassium	7410	2590	5000	96.4	80 - 120
Selenium	4830	ND	5000	96.6	80 - 120
Silver	433	ND	500	86.4	80 - 120
Sodium	6010	ND	5000	101	80 - 120
Thallium	4880	ND	5000	97.7	80 - 120
Vanadium	5090	ND	5000	99.8	80 - 120
Zinc	5190	424	5000	95.3	80 - 120

Accredited Analytical Resources, LLC.

SAMPLE EXTRACTION DATA

Prep Method: EPA 7471A-EPA 7471

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [g]	Final [mL]	Dilution	% Solids	Notes	Date
1502323-01 [EP-18]	B5L2401	0.10/25.00	0.100	25.0	1.00	71.30		12/24/2015

Accredited Analytical Resources, LLC.

SAMPLE EXTRACTION DATA

Prep Method: EPA 3050B-EPA 6010

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [g]	Final [mL]	Dilution	% Solids	Notes	Date
1502323-01 [EP-18]	B5L2404	1.00/50.00	1.00	50.0	1.00	71.30		12/24/2015

Accredited Analytical Resources, LLC.

METALS CALIBRATION DATA

Accredited Analytical Resources, LLC.

METHOD DETECTION AND REPORTING LIMITS

EPA 7471

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323

Matrix:	Solid	Instrument:	Cetac

Analyte	MDL	MRL	Units	Method
Mercury	0.0750	0.0750	mg/kg	EPA 7471

Accredited Analytical Resources, LLC.

METHOD DETECTION AND REPORTING LIMITS

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323

Matrix:	Solid	Instrument:	Thermo iTEVA

Analyte	MDL	MRL	Units	Method
Aluminum	20.0	20.0	mg/kg	EPA 6010
Antimony	4.00	4.00	mg/kg	EPA 6010
Arsenic	1.00	1.00	mg/kg	EPA 6010
Barium	20.0	20.0	mg/kg	EPA 6010
Beryllium	0.500	0.500	mg/kg	EPA 6010
Cadmium	0.500	0.500	mg/kg	EPA 6010
Calcium	25.0	25.0	mg/kg	EPA 6010
Chromium	2.00	2.00	mg/kg	EPA 6010
Cobalt	5.00	5.00	mg/kg	EPA 6010
Copper	3.00	3.00	mg/kg	EPA 6010
Iron	25.0	25.0	mg/kg	EPA 6010
Lead	1.00	1.00	mg/kg	EPA 6010
Magnesium	50.0	50.0	mg/kg	EPA 6010
Manganese	2.00	2.00	mg/kg	EPA 6010
Nickel	4.00	4.00	mg/kg	EPA 6010
Potassium	50.0	50.0	mg/kg	EPA 6010
Selenium	4.00	4.00	mg/kg	EPA 6010
Silver	0.500	0.500	mg/kg	EPA 6010
Sodium	50.0	50.0	mg/kg	EPA 6010
Thallium	1.50	3.00	mg/kg	EPA 6010
Vanadium	5.00	5.00	mg/kg	EPA 6010
Zinc	6.00	6.00	mg/kg	EPA 6010

Accredited Analytical Resources, LLC.

ANALYSIS SEQUENCE SUMMARY

EPA 7471

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY

Sequence:	S5L2403	Instrument:	Cetac
Calibration:	UNASSIGNED		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	S5L2403-ICV1	HG151224A-008	12/24/15 10:40
Initial Cal Blank	S5L2403-ICB1	HG151224A-009	12/24/15 10:42
Instrument RL Check	S5L2403-CRL1	HG151224A-010	12/24/15 10:44
Blank	B5L2401-BLK1	HG151224A-011	12/24/15 10:46
LCS	B5L2401-BS1	HG151224A-012	12/24/15 10:48
Matrix Spike	B5L2401-MS1	HG151224A-014	12/24/15 10:53
Matrix Spike Dup	B5L2401-MSD1	HG151224A-015	12/24/15 10:55
EP-18	1502323-01	HG151224A-018	12/24/15 11:01
Instrument RL Check	S5L2403-CRL2	HG151224A-020	12/24/15 11:05
Calibration Check	S5L2403-CCV1	HG151224A-021	12/24/15 11:07
Calibration Blank	S5L2403-CCB1	HG151224A-022	12/24/15 11:10

Accredited Analytical Resources, LLC.

ANALYSIS SEQUENCE SUMMARY

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY

Sequence:	S5L2802	Instrument:	Thermo iTEVA
Calibration:	UNASSIGNED		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	S5L2802-ICV1	122815A-005	12/28/15 10:11
Initial Cal Blank	S5L2802-ICB1	122815A-006	12/28/15 10:16
Instrument RL Check	S5L2802-CRL1	122815A-007	12/28/15 10:22
Interference Check A	S5L2802-IFA1	122815A-008	12/28/15 10:27
Interference Check B	S5L2802-IFB1	122815A-009	12/28/15 10:32
Blank	B5L2404-BLK1	122815A-010	12/28/15 10:37
LCS	B5L2404-BS1	122815A-011	12/28/15 10:42
Serial Dilution	S5L2802-SRD1	122815A-013	12/28/15 10:52
Matrix Spike	B5L2404-MS1	122815A-014	12/28/15 10:57
Matrix Spike Dup	B5L2404-MSD1	122815A-015	12/28/15 11:02
Post Spike	B5L2404-PS1	122815A-016	12/28/15 11:07
EP-18	1502323-01	122815A-019	12/28/15 11:22
Calibration Check	S5L2802-CCV1	122815A-020	12/28/15 11:27
Calibration Blank	S5L2802-CCB1	122815A-021	12/28/15 11:32
Calibration Check	S5L2802-CCV2	122815A-027	12/28/15 12:02
Calibration Blank	S5L2802-CCB2	122815A-028	12/28/15 12:07
Instrument RL Check	S5L2802-CRL2	122815A-029	12/28/15 12:12
Interference Check A	S5L2802-IFA2	122815A-030	12/28/15 12:18
Interference Check B	S5L2802-IFB2	122815A-031	12/28/15 12:23

Accredited Analytical Resources, LLC.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 7471

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2403
Instrument Cetac

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S5L2403-ICV1	Mercury	5.00	4.95	99.0	ug/L	+/- 10.00%
S5L2403-CCV1	Mercury	5.00	5.14	103	ug/L	+/- 10.00%

Accredited Analytical Resources, LLC.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S5L2802-ICV1	Aluminum	8000	7660	95.8	ug/L	+/- 10.00%
	Antimony	7500	7370	98.3	ug/L	+/- 10.00%
	Arsenic	7500	7350	98.0	ug/L	+/- 10.00%
	Barium	7500	7040	93.8	ug/L	+/- 10.00%
	Beryllium	7500	7350	98.0	ug/L	+/- 10.00%
	Cadmium	7500	7420	98.9	ug/L	+/- 10.00%
	Calcium	7500	7420	99.0	ug/L	+/- 10.00%
	Chromium	7500	7350	98.0	ug/L	+/- 10.00%
	Cobalt	7500	7380	98.4	ug/L	+/- 10.00%
	Copper	7500	7450	99.3	ug/L	+/- 10.00%
	Iron	7500	7450	99.4	ug/L	+/- 10.00%
	Lead	7500	7400	98.7	ug/L	+/- 10.00%
	Magnesium	7500	7330	97.8	ug/L	+/- 10.00%
	Manganese	7500	7360	98.2	ug/L	+/- 10.00%
	Nickel	7500	7370	98.2	ug/L	+/- 10.00%
	Potassium	7500	7260	96.8	ug/L	+/- 10.00%
	Selenium	7500	7380	98.4	ug/L	+/- 10.00%
	Silver	750	724	96.5	ug/L	+/- 10.00%
	Sodium	7500	7430	99.1	ug/L	+/- 10.00%
	Thallium	7500	7460	99.5	ug/L	+/- 10.00%
	Vanadium	7500	7430	99.1	ug/L	+/- 10.00%
	Zinc	7500	7440	99.2	ug/L	+/- 10.00%
S5L2802-CCV1	Aluminum	5000	4850	97.1	ug/L	+/- 10.00%
	Antimony	5000	4930	98.5	ug/L	+/- 10.00%
	Arsenic	5000	4920	98.5	ug/L	+/- 10.00%
	Barium	5000	4890	97.9	ug/L	+/- 10.00%
	Beryllium	5000	4950	99.1	ug/L	+/- 10.00%
	Cadmium	5000	5010	100	ug/L	+/- 10.00%

Accredited Analytical Resources, LLC.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S5L2802-CCV1	Calcium	5000	4910	98.1	ug/L	+/- 10.00%
	Chromium	5000	4880	97.7	ug/L	+/- 10.00%
	Cobalt	5000	4970	99.3	ug/L	+/- 10.00%
	Copper	5000	5000	100	ug/L	+/- 10.00%
	Iron	5000	4890	97.8	ug/L	+/- 10.00%
	Lead	5000	5020	100	ug/L	+/- 10.00%
	Magnesium	5000	4940	98.8	ug/L	+/- 10.00%
	Manganese	5000	5010	100	ug/L	+/- 10.00%
	Nickel	5000	4990	99.8	ug/L	+/- 10.00%
	Potassium	5000	4820	96.4	ug/L	+/- 10.00%
	Selenium	5000	4990	99.7	ug/L	+/- 10.00%
	Silver	500	479	95.7	ug/L	+/- 10.00%
	Sodium	5000	4840	96.8	ug/L	+/- 10.00%
	Thallium	5000	5030	101	ug/L	+/- 10.00%
	Vanadium	5000	4980	99.7	ug/L	+/- 10.00%
	Zinc	5000	5020	100	ug/L	+/- 10.00%
S5L2802-CCV2	Aluminum	5000	4860	97.3	ug/L	+/- 10.00%
	Antimony	5000	4920	98.4	ug/L	+/- 10.00%
	Arsenic	5000	4950	98.9	ug/L	+/- 10.00%
	Barium	5000	4930	98.7	ug/L	+/- 10.00%
	Beryllium	5000	4910	98.1	ug/L	+/- 10.00%
	Cadmium	5000	5010	100	ug/L	+/- 10.00%
	Calcium	5000	4900	98.1	ug/L	+/- 10.00%
	Chromium	5000	4980	99.5	ug/L	+/- 10.00%
	Cobalt	5000	4950	99.0	ug/L	+/- 10.00%
	Copper	5000	4960	99.3	ug/L	+/- 10.00%
	Iron	5000	4880	97.5	ug/L	+/- 10.00%
	Lead	5000	5040	101	ug/L	+/- 10.00%

Accredited Analytical Resources, LLC.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S5L2802-CCV2	Magnesium	5000	4920	98.3	ug/L	+/- 10.00%
	Manganese	5000	5000	100	ug/L	+/- 10.00%
	Nickel	5000	5010	100	ug/L	+/- 10.00%
	Potassium	5000	4810	96.2	ug/L	+/- 10.00%
	Selenium	5000	5020	100	ug/L	+/- 10.00%
	Silver	500	486	97.1	ug/L	+/- 10.00%
	Sodium	5000	4860	97.1	ug/L	+/- 10.00%
	Thallium	5000	5010	100	ug/L	+/- 10.00%
	Vanadium	5000	4910	98.1	ug/L	+/- 10.00%
	Zinc	5000	4980	99.6	ug/L	+/- 10.00%

Accredited Analytical Resources, LLC.

BLANKS

EPA 7471

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2403
Instrument Cetac

Lab Sample ID	Analyte	Found	Units	RL	Q
S5L2403-ICB1	Mercury	0.00300	ug/L	0.300	U
B5L2401-BLK1	Mercury	ND	mg/kg wet	0.0750	U
S5L2403-CCB1	Mercury	0.00500	ug/L	0.300	U

Accredited Analytical Resources, LLC.

BLANKS

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	Found	Units	RL	Q
S5L2802-ICB1	Aluminum	4.32	ug/L	400	U
	Antimony	-0.464	ug/L	80.0	U
	Arsenic	0.870	ug/L	20.0	U
	Barium	-0.00550	ug/L	400	U
	Beryllium	-0.0115	ug/L	10.0	U
	Cadmium	-0.0498	ug/L	10.0	U
	Calcium	1.56	ug/L	500	U
	Chromium	-0.268	ug/L	40.0	U
	Cobalt	0.274	ug/L	100	U
	Copper	3.71	ug/L	60.0	U
	Iron	-1.54	ug/L	500	U
	Lead	-0.0685	ug/L	20.0	U
	Magnesium	9.74	ug/L	1000	U
	Manganese	0.778	ug/L	40.0	U
	Nickel	-0.489	ug/L	80.0	U
	Potassium	2.28	ug/L	1000	U
	Selenium	0.817	ug/L	80.0	U
	Silver	-0.292	ug/L	10.0	U
	Sodium	-6.81	ug/L	1000	U
	Thallium	0.215	ug/L	60.0	U
	Vanadium	-0.644	ug/L	100	U
	Zinc	0.0188	ug/L	120	U
B5L2404-BLK1	Aluminum	ND	mg/kg wet	20.0	U
	Antimony	ND	mg/kg wet	4.00	U
	Arsenic	ND	mg/kg wet	1.00	U
	Barium	ND	mg/kg wet	20.0	U
	Beryllium	ND	mg/kg wet	0.500	U

Accredited Analytical Resources, LLC.

BLANKS

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	Found	Units	RL	Q
B5L2404-BLK1	Cadmium	ND	mg/kg wet	0.500	U
	Calcium	ND	mg/kg wet	25.0	U
	Chromium	ND	mg/kg wet	2.00	U
	Cobalt	ND	mg/kg wet	5.00	U
	Copper	ND	mg/kg wet	3.00	U
	Iron	ND	mg/kg wet	25.0	U
	Lead	ND	mg/kg wet	1.00	U
	Magnesium	ND	mg/kg wet	50.0	U
	Manganese	ND	mg/kg wet	2.00	U
	Nickel	ND	mg/kg wet	4.00	U
	Potassium	ND	mg/kg wet	50.0	U
	Selenium	ND	mg/kg wet	4.00	U
	Silver	ND	mg/kg wet	0.500	U
	Sodium	ND	mg/kg wet	50.0	U
	Thallium	ND	mg/kg wet	3.00	U
	Vanadium	ND	mg/kg wet	5.00	U
	Zinc	ND	mg/kg wet	6.00	U
S5L2802-CCB1	Aluminum	10.7	ug/L	400	U
	Antimony	-0.540	ug/L	80.0	U
	Arsenic	-0.389	ug/L	20.0	U
	Barium	-0.0540	ug/L	400	U
	Beryllium	0.192	ug/L	10.0	U
	Cadmium	-0.187	ug/L	10.0	U
	Calcium	-2.53	ug/L	500	U
	Chromium	-0.275	ug/L	40.0	U
	Cobalt	-0.137	ug/L	100	U
	Copper	1.98	ug/L	60.0	U

Accredited Analytical Resources, LLC.

BLANKS

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	Found	Units	RL	Q
S5L2802-CCB1	Iron	-1.76	ug/L	500	U
	Lead	-0.847	ug/L	20.0	U
	Magnesium	-2.43	ug/L	1000	U
	Manganese	0.564	ug/L	40.0	U
	Nickel	-0.487	ug/L	80.0	U
	Potassium	-17.6	ug/L	1000	U
	Selenium	-0.348	ug/L	80.0	U
	Silver	-0.136	ug/L	10.0	U
	Sodium	-5.26	ug/L	1000	U
	Thallium	-2.45	ug/L	60.0	U
	Vanadium	0.0414	ug/L	100	U
	Zinc	0.00650	ug/L	120	U
S5L2802-CCB2	Aluminum	1.37	ug/L	400	U
	Antimony	0.432	ug/L	80.0	U
	Arsenic	-0.730	ug/L	20.0	U
	Barium	-0.00290	ug/L	400	U
	Beryllium	0.139	ug/L	10.0	U
	Cadmium	-0.0513	ug/L	10.0	U
	Calcium	-0.673	ug/L	500	U
	Chromium	-0.221	ug/L	40.0	U
	Cobalt	0.0907	ug/L	100	U
	Copper	1.54	ug/L	60.0	U
	Iron	-1.45	ug/L	500	U
	Lead	-0.431	ug/L	20.0	U
	Magnesium	11.8	ug/L	1000	U
	Manganese	0.102	ug/L	40.0	U
	Nickel	-0.543	ug/L	80.0	U

Accredited Analytical Resources, LLC.

BLANKS

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	Found	Units	RL	Q
S5L2802-CCB2	Potassium	1.85	ug/L	1000	U
	Selenium	1.42	ug/L	80.0	U
	Silver	-0.156	ug/L	10.0	U
	Sodium	18.6	ug/L	1000	U
	Thallium	-3.43	ug/L	60.0	U
	Vanadium	1.87	ug/L	100	U
	Zinc	0.0337	ug/L	120	U

Accredited Analytical Resources, LLC.

CRDL STANDARD

EPA 7471

Client:	**BRINKERHOFF ENVIRONMENTAL**	**Calibration:**	UNASSIGNED
Project:	**255 East 138th Street, Bronx, NY**	**Sequence:**	S5L2403
Work Order:	**1502323**	**Instrument**	Cetac

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
S5L2403-CRL1	Mercury	0.0750	0.0840	112	ug/L	70 - 130
S5L2403-CRL2	Mercury	0.0750	0.0800	107	ug/L	70 - 130

Accredited Analytical Resources, LLC.

CRDL STANDARD

EPA 6010

Client:	**BRINKERHOFF ENVIRONMENTAL**	**Calibration:**	UNASSIGNED
Project:	**255 East 138th Street, Bronx, NY**	**Sequence:**	S5L2802
Work Order:	**1502323**	**Instrument**	Thermo iTEVA

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
S5L2802-CRL1	Aluminum	400	408	102	ug/L	70 - 130
	Antimony	80.0	77.7	97.2	ug/L	70 - 130
	Arsenic	20.0	20.7	104	ug/L	70 - 130
	Barium	400	400	100	ug/L	70 - 130
	Beryllium	10.0	10.0	100	ug/L	70 - 130
	Cadmium	10.0	10.2	102	ug/L	70 - 130
	Calcium	1000	1030	103	ug/L	70 - 130
	Chromium	40.0	39.5	98.8	ug/L	70 - 130
	Cobalt	100	99.8	99.8	ug/L	70 - 130
	Copper	60.0	62.0	103	ug/L	70 - 130
	Iron	500	508	102	ug/L	70 - 130
	Lead	20.0	20.7	103	ug/L	70 - 130
	Magnesium	1000	993	99.3	ug/L	70 - 130
	Manganese	40.0	41.3	103	ug/L	70 - 130
	Nickel	80.0	82.0	102	ug/L	70 - 130
	Potassium	1000	983	98.3	ug/L	70 - 130
	Selenium	80.0	85.1	106	ug/L	70 - 130
	Silver	10.0	10.2	102	ug/L	70 - 130
	Sodium	1000	976	97.6	ug/L	70 - 130
	Thallium	30.0	27.2	90.7	ug/L	70 - 130
	Vanadium	100	102	102	ug/L	70 - 130
	Zinc	120	121	101	ug/L	70 - 130
S5L2802-CRL2	Aluminum	400	418	105	ug/L	70 - 130
	Antimony	80.0	78.7	98.3	ug/L	70 - 130
	Arsenic	20.0	19.4	97.2	ug/L	70 - 130
	Barium	400	411	103	ug/L	70 - 130

Accredited Analytical Resources, LLC.

CRDL STANDARD

EPA 6010

Client:	**BRINKERHOFF ENVIRONMENTAL**	**Calibration:**	UNASSIGNED
Project:	**255 East 138th Street, Bronx, NY**	**Sequence:**	S5L2802
Work Order:	**1502323**	**Instrument**	Thermo iTEVA

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
S5L2802-CRL2	Beryllium	10.0	9.98	99.8	ug/L	70 - 130
	Cadmium	10.0	10.1	101	ug/L	70 - 130
	Calcium	1000	1030	103	ug/L	70 - 130
	Chromium	40.0	38.8	97.1	ug/L	70 - 130
	Cobalt	100	100	100	ug/L	70 - 130
	Copper	60.0	62.0	103	ug/L	70 - 130
	Iron	500	519	104	ug/L	70 - 130
	Lead	20.0	20.9	105	ug/L	70 - 130
	Magnesium	1000	988	98.8	ug/L	70 - 130
	Manganese	40.0	41.7	104	ug/L	70 - 130
	Nickel	80.0	82.7	103	ug/L	70 - 130
	Potassium	1000	982	98.2	ug/L	70 - 130
	Selenium	80.0	82.3	103	ug/L	70 - 130
	Silver	10.0	10.2	102	ug/L	70 - 130
	Sodium	1000	990	99.0	ug/L	70 - 130
	Thallium	30.0	25.0	83.5	ug/L	70 - 130
	Vanadium	100	102	102	ug/L	70 - 130
	Zinc	120	121	101	ug/L	70 - 130

Accredited Analytical Resources, LLC.

SERIAL DILUTION

EPA 6010

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502323
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Matrix:	Solid	Laboratory ID:	S5L2802-SRD1
Sequence:	S5L2802	Source:	ZZZZZZZ

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	QC Limits % Difference
Lead	14.2	13.6	4.35		10.00
Antimony	ND	ND	N/A		10.00
Arsenic	1.23	ND	N/A		10.00
Barium	ND	ND	N/A		10.00
Beryllium	ND	ND	N/A		10.00
Cadmium	ND	ND	N/A		10.00
Calcium	2350	2230	5.35		10.00
Chromium	5.58	ND	N/A		10.00
Cobalt	ND	ND	N/A		10.00
Aluminum	1510	1400	7.54		10.00
Iron	3080	2930	5.01		10.00
Zinc	22.8	ND	N/A		10.00
Magnesium	255	ND	N/A		10.00
Manganese	13.4	12.7	5.36		10.00
Nickel	ND	ND	N/A		10.00
Potassium	139	ND	N/A		10.00
Selenium	ND	ND	N/A		10.00
Silver	ND	ND	N/A		10.00
Sodium	ND	ND	N/A		10.00
Thallium	ND	ND	N/A		10.00
Vanadium	ND	ND	N/A		10.00
Copper	6.66	ND	N/A		10.00

* Values outside of QC limits

Accredited Analytical Resources, LLC.

INTERFERENCE CHECK SAMPLE

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Calibration: UNASSIGNED
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S5L2802-IFA1	Aluminum	20.00	250000	251,100.00	100	ug/L
	Antimony	4.00		3.68		ug/L
	Arsenic	1.00		3.95		ug/L
	Barium	20.00		0.41		ug/L
	Beryllium	0.50		0.65		ug/L
	Cadmium	0.50		-0.49		ug/L
	Calcium	25.00	250000	241,400.00	96.6	ug/L
	Chromium	2.00		-0.33		ug/L
	Cobalt	5.00		0.47		ug/L
	Copper	3.00		1.82		ug/L
	Iron	25.00	100000	97,530.00	97.5	ug/L
	Lead	1.00		1.81		ug/L
	Magnesium	50.00	250000	256,600.00	103	ug/L
	Manganese	2.00		-1.54		ug/L
	Nickel	4.00		-1.86		ug/L
	Potassium	50.00		-4.77		ug/L
	Selenium	4.00		1.41		ug/L
	Silver	0.50		0.53		ug/L
	Sodium	50.00		-5.18		ug/L
	Thallium	3.00		-3.27		ug/L
	Vanadium	5.00		-2.79		ug/L
	Zinc	6.00		2.43		ug/L
S5L2802-IFB1	Aluminum	20.00	250000	251,600.00	101	ug/L
	Antimony	4.00	250	252.10	101	ug/L
	Arsenic	1.00	250	257.20	103	ug/L
	Barium	20.00	250	257.60	103	ug/L
	Beryllium	0.50	250	256.50	103	ug/L
	Cadmium	0.50	250	242.60	97.0	ug/L

Accredited Analytical Resources, LLC.

INTERFERENCE CHECK SAMPLE

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Calibration: UNASSIGNED
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S5L2802-IFB1	Calcium	25.00	250000	238,400.00	95.4	ug/L
	Chromium	2.00	250	247.20	98.9	ug/L
	Cobalt	5.00	250	235.00	94.0	ug/L
	Copper	3.00	250	261.40	105	ug/L
	Iron	25.00	100000	96,840.00	96.8	ug/L
	Lead	1.00	250	229.00	91.6	ug/L
	Magnesium	50.00	250000	254,300.00	102	ug/L
	Manganese	2.00	250	247.30	98.9	ug/L
	Nickel	4.00	250	231.30	92.5	ug/L
	Potassium	50.00	1000	1,046.00	105	ug/L
	Selenium	4.00	250	237.40	95.0	ug/L
	Silver	0.50	240	242.40	101	ug/L
	Sodium	50.00	1000	1,023.00	102	ug/L
	Thallium	3.00	250	207.60	83.0	ug/L
	Vanadium	5.00	250	256.20	102	ug/L
	Zinc	6.00	250	243.40	97.4	ug/L
S5L2802-IFA2	Aluminum	20.00	250000	252,200.00	101	ug/L
	Antimony	4.00		2.25		ug/L
	Arsenic	1.00		3.76		ug/L
	Barium	20.00		0.43		ug/L
	Beryllium	0.50		0.55		ug/L
	Cadmium	0.50		-0.86		ug/L
	Calcium	25.00	250000	242,300.00	96.9	ug/L
	Chromium	2.00		-0.74		ug/L
	Cobalt	5.00		0.48		ug/L
	Copper	3.00		-1.11		ug/L
	Iron	25.00	100000	97,860.00	97.9	ug/L
	Lead	1.00		2.92		ug/L

Accredited Analytical Resources, LLC.

INTERFERENCE CHECK SAMPLE

EPA 6010

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Calibration: UNASSIGNED
Sequence: S5L2802
Instrument Thermo iTEVA

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S5L2802-IFA2	Magnesium	50.00	250000	255,700.00	102	ug/L
	Manganese	2.00		-1.44		ug/L
	Nickel	4.00		-1.61		ug/L
	Potassium	50.00		-8.86		ug/L
	Selenium	4.00		-1.67		ug/L
	Silver	0.50		0.64		ug/L
	Sodium	50.00		36.11		ug/L
	Thallium	3.00		-3.52		ug/L
	Vanadium	5.00		2.12		ug/L
	Zinc	6.00		2.12		ug/L
S5L2802-IFB2	Aluminum	20.00	250000	250,300.00	100	ug/L
	Antimony	4.00	250	246.80	98.7	ug/L
	Arsenic	1.00	250	260.20	104	ug/L
	Barium	20.00	250	257.20	103	ug/L
	Beryllium	0.50	250	256.30	103	ug/L
	Cadmium	0.50	250	244.70	97.9	ug/L
	Calcium	25.00	250000	241,100.00	96.4	ug/L
	Chromium	2.00	250	250.60	100	ug/L
	Cobalt	5.00	250	235.90	94.4	ug/L
	Copper	3.00	250	260.80	104	ug/L
	Iron	25.00	100000	96,850.00	96.8	ug/L
	Lead	1.00	250	230.90	92.4	ug/L
	Magnesium	50.00	250000	254,400.00	102	ug/L
	Manganese	2.00	250	249.30	99.7	ug/L
	Nickel	4.00	250	232.70	93.1	ug/L
	Potassium	50.00	1000	1,008.00	101	ug/L
	Selenium	4.00	250	239.00	95.6	ug/L
	Silver	0.50	240	242.00	101	ug/L

Accredited Analytical Resources, LLC.

INTERFERENCE CHECK SAMPLE

EPA 6010

Client:	BRINKERHOFF ENVIRONMENTAL	**Calibration:**	UNASSIGNED
Project:	255 East 138th Street, Bronx, NY	**Sequence:**	S5L2802
Work Order:	1502323	**Instrument**	Thermo iTEVA

Lab Sample ID	Analyte	RL	True	Found	%R	Units
S5L2802-IFB2	Sodium	50.00	1000	1,070.00	107	ug/L
	Thallium	3.00	250	209.90	84.0	ug/L
	Vanadium	5.00	250	256.40	103	ug/L
	Zinc	6.00	250	246.50	98.6	ug/L

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

WET CHEMISTRY SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-18
Lab Sample ID: 1502323-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323

Date Sampled:	12/23/15 10:10	Matrix:	Soil
Percent Solids:	71.30	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	16.1	2.00	2.00	1		12/28/15 08:56	[CALC]	12/29/15 16:01 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND	2.81	2.81	1	U	12/28/15 08:56	SW 846 3060A	12/29/15 16:01 HTW	EPA 7196A
NA	Cyanide (total)	ND	1.40	1.40	1	U	12/28/15 08:20	EPA 9010C	12/28/15 11:54 RMK	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	71.3	0.100	0.100	1		12/28/15 10:00	Percent Solids	12/28/15 13:59 CLD	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY QC DATA

Accredited Analytical Resources, LLC.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 9014

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2807
Instrument Hach

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S5L2807-CCV1	Cyanide (total)	0.200	0.206	103	mg/L	+/- 10.00%
S5L2807-ICV1	Cyanide (total)	0.100	0.0987	98.7	mg/L	+/- 10.00%

Accredited Analytical Resources, LLC.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 7196A

Client:	**BRINKERHOFF ENVIRONMENTAL**		
Project:	**255 East 138th Street, Bronx, NY**	**Sequence:**	S5L2916
Work Order:	**1502323**	**Instrument**	Hach

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
S5L2916-CCV1	Chromium, Hexavalent	1.00	0.966	96.6	mg/L	+/- 10.00%
S5L2916-ICV1	Chromium, Hexavalent	1.00	0.963	96.3	mg/L	+/- 10.00%

Accredited Analytical Resources, LLC.

BLANKS

EPA 9014

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2807
Instrument Hach

Lab Sample ID	Analyte	Found	Units	RL	Q
B5L2803-BLK1	Cyanide (total)	ND	mg/kg wet	1.00	U
S5L2807-CCB1	Cyanide (total)	-0.000541	mg/L	0.00500	U
S5L2807-ICB1	Cyanide (total)	-0.000541	mg/L	0.00500	U

BLANKS

EPA 7196A

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street, Bronx, NY
Work Order: 1502323
Sequence: S5L2916
Instrument Hach

Lab Sample ID	Analyte	Found	Units	RL	Q
B5L2804-BLK1	Chromium, Hexavalent	ND	mg/kg wet	2.00	U
S5L2916-CCB1	Chromium, Hexavalent	0.0101	mg/L	0.0500	U
S5L2916-ICB1	Chromium, Hexavalent	0.0101	mg/L	0.0500	U

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 9014
Batch:	B5L2803	Preparation:	EPA 9010C
% Solids:	93.00	Laboratory ID:	B5L2803-MS1
		Client Sample ID:	1502322-02

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Cyanide (total)	43.0	ND	43.9	102	75 - 125

ANALYTE	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Cyanide (total)	43.0	46.4	108	5.58	20	75 - 125

* Values outside of QC limits

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 7196A
Batch:	B5L2804	Preparation:	SW 846 3060A
% Solids:	81.20	Laboratory ID:	B5L2804-MS1
		Client Sample ID:	1502312-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)		MS % REC.		QC LIMITS REC.
Chromium, Hexavalent	49.3	ND	13.7	*	27.8	*	75 - 125

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1502323
Project: 255 East 138th Street, Bronx, NY

Matrix:	Solid	Analysis:	EPA 7196A
Batch:	B5L2804	Preparation:	SW 846 3060A
% Solids:	81.20	Laboratory ID:	B5L2804-MS2
		Client Sample ID:	1502312-01

ANALYTE	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC.	QC LIMITS REC.
Chromium, Hexavalent	983	ND	898	91.3	75 - 125

* Values outside of QC limits

Accredited Analytical Resources, LLC.

DUPLICATES

Duplicate

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Laboratory ID:	B5L2803-DUP1
Prep Batch:	B5L2803	Initial/Final:	1 g / 200 mL
Prep Method:	EPA 9010C	Analysis:	EPA 9014
% Solids:	93.00		

ANALYTE	SAMPLE CONCENTRATION (mg/kg dry)	DUPLICATE CONCENTRATION (mg/kg dry)	RPD %	Q	CONTROL LIMIT
Cyanide (total)	ND	1.08 U			20

* Values outside of QC limits

Accredited Analytical Resources, LLC.

DUPLICATES

Duplicate

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Laboratory ID:	B5L2804-DUP1
Prep Batch:	B5L2804	Initial/Final:	2.5 g / 100 mL
Prep Method:	SW 846 3060A	Analysis:	EPA 7196A
% Solids:	81.20		

ANALYTE	SAMPLE CONCENTRATION (mg/kg dry)	DUPLICATE CONCENTRATION (mg/kg dry)	RPD %	Q	CONTROL LIMIT
Chromium, Hexavalent	ND	2.46 U			20

* Values outside of QC limits

Accredited Analytical Resources, LLC.

DUPLICATES

Duplicate

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Laboratory ID:	B5L2807-DUP1
Prep Batch:	B5L2807	Initial/Final:	10 g / 10 g
Prep Method:	Percent Solids	Analysis:	SM 2540 G
% Solids:	93.00		

ANALYTE	SAMPLE CONCENTRATION (%)	DUPLICATE CONCENTRATION (%)	RPD %	Q	CONTROL LIMIT
Percent Solids	93.0	93.0	0.00		20

* Values outside of QC limits

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 9014

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	EPA 9010C
Prep Batch:	B5L2803	Lab Sample ID:	B5L2803-BS1

ANALYTE	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC.	QC LIMITS REC.
Cyanide (total)	40.0	45.5	114	85 - 115

* Values outside of QC limits

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 7196A

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1502323**

Matrix:	Solid	Prep Method:	SW 846 3060A
Prep Batch:	B5L2804	Lab Sample ID:	B5L2804-BS1

ANALYTE	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC.	QC LIMITS REC.
Chromium, Hexavalent	40.0	36.1	90.3	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

1502312-01

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1502323
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street, Bronx, NY
Matrix:	Solid	Laboratory ID:	B5L2804-PS1
Batch:	B5L2804	Analysis:	EPA 7196A
Preparation:	SW 846 3060A	Initial/Final:	2.5 g / 100 mL

Analyte	Spike Sample Result (SSR) (mg/L)	Sample Result (SR) (mg/L)	Spike Added (SA) (mg/L)	%R	Control Limit %R
Chromium, Hexavalent	0.243	ND	1.00	23.2	85 - 115

Accredited Analytical Resources, LLC.

WET CHEMISTRY

RAW DATA

PROJECT Cr6-soil

Notebook No. 953

Continued from Page

1ppm = 1ml of 100ppm → 100ml in DI H2O
10ppm = 10ml of 100ppm → 100ml in DI H2O

	ml of 10ppm	ml of 1ppm	conc (ppm)
B	—	0	0.00
1	—	1	0.02
2	1	—	0.20
3	2.5	—	0.50
4	5	—	1.00
5	10	—	2.00

Wavelength = 540

INITIAL TEMP = 91°C
Mid TEMP = 90°C
FINAL TEMP = 90°C

pH digestion soln = 13.04
Start digestion = 1030 12/28
End digestion = 1130 12/28
Start pH HNO3 = 1130 12/29
End pH HNO3 = 1300 12/29
Start pH H2SO4 = 1500 12/29
End pH H2SO4 = 1550 12/29
Time of Analysis = 1601 12/29

Color reagent AAR B11P68G
1000 ppm Cr6 Std AAR B11P29A
1000 ppm Cr6 Ics AAR B11P29B
100 ppm Cr6 Std = 10ml of 1000ppm + 100ml
PbCr4 Sigma 23184606
Digestion soln AAR B11P71A
Magnesium Chloride Baker 113694
phosphate Buffer AAR B10P68B

SAMPLE	wt gs
MB	2.5
LCS	
1502312-01	
1502312-01 dup	
1502312-01 MS	
1502312-01 INS	
1502312-01 P	
1502312-02	
1502312-03	
1502323-01	

Continued on Page

Read and Understood By

[signature] 12/29/15 R Kopler 12/29/15

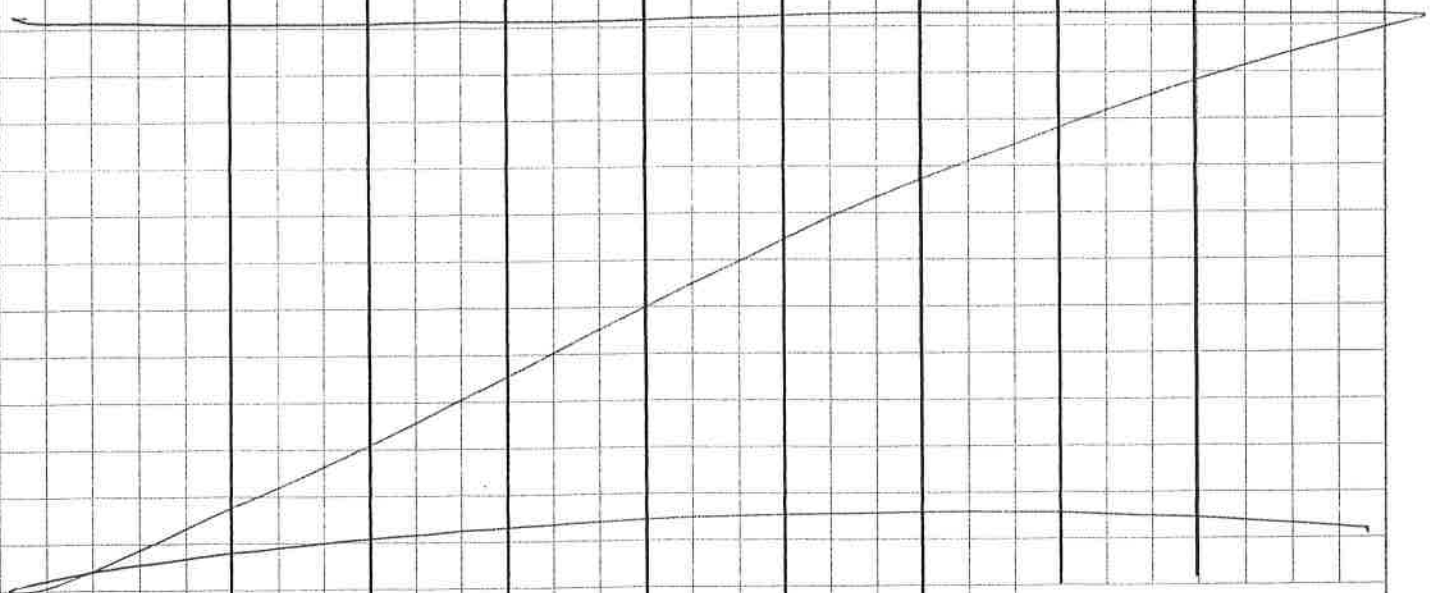
Signed Date Signed Date

PROJECT Cr6-soil

Notebook No. 953 7

Continued from Page

SAMPLE	pH HNO3	pH H2SO4	BG H2SO4	ABS	BG ABS	CORR ABS	DIL	
0.00 ppm		<2		0.001			1	
0.02 ppm				0.044				
0.20 ppm				0.381				
0.50 ppm				1.018				Curve
1.00 ppm				1.905				55L2914
2.00 ppm				4.081				15L2903
ICV				1.935				
ICB				0.001				
MB	7.79	2.02	1.95	0.004	0.003	0.001		
LCS	7.70	2.03	1.99	1.824	0.011	1.813		
1502312-01	7.88	1.98	2.02	0.021	0.008	0.003		B5L2804
1502312-01dup	7.55	1.96	1.90	0.023	0.021	0.002		55L2916
1502312-01 MS	7.26	1.98	1.97	0.560	0.015	0.545		
1502312-01 MSD	7.91	1.97	1.97	1.532	0.003	1.529	2	
1502312-01 PS	7.99	1.98	1.92	0.487	0.013	0.474	1	
1502312-02	7.64	1.91	1.97	0.026	0.023	0.003		
1502312-03	7.85	1.98	2.01	0.012	0.010	0.002		
1502323-01	7.31	1.95	1.96	0.173	0.164	0.009		
CCV		<2		1.940				
CCB				0.001				



Continued on Page

Read and Understood By

Signed	Date	Signed	Date
[signature]	12/29/15	R Kaplan	12/29/15

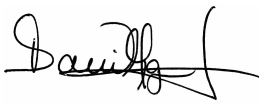
Accredited Analytical Resources, LLC.

30 December 2015 AAR Work Order: 1502323

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 East 138th Street, Bronx, NY

Enclosed are the results of analyses for samples received by the laboratory on 12/23/2015 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-18	1502323-01	Soil	12/23/2015 10:10	12/23/2015 12:00

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
E	Concentration exceeds calibration range
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

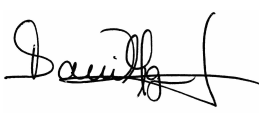
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

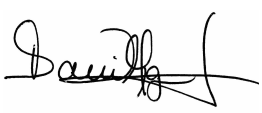
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Doug Harm

Reported:
12/30/2015 14:23

Client ID: EP-18

Lab ID: 1502323-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	8.42	14.0	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.81	14.0	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
67-64-1	**Acetone**	**20.8**	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
71-43-2	Benzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Client ID: EP-18

Lab ID: 1502323-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
108-88-3	Toluene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.81	5.61	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.81	5.61	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
100-42-5	Styrene	ND	1.40	5.61	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Client ID: EP-18

Lab ID: 1502323-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
99-87-6	**p-Isopropyltoluene**	**1.73**	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	J
541-73-1	1,3-Dichlorobenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.40	2.81	ug/kg dry	1	12/23/15 23:47	12/23/15 23:47/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*111 %*	*70-130*		*12/23/15 23:47*	*12/23/15 23:47/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*99 %*	*70-130*		*12/23/15 23:47*	*12/23/15 23:47/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*79 %*	*70-130*		*12/23/15 23:47*	*12/23/15 23:47/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
108-95-2	Phenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Client ID: EP-18

Lab ID: 1502323-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
78-59-1	Isophorone	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	116	467	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	46.7	467	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Client ID: EP-18

Lab ID: 1502323-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
86-73-7	Fluorene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**462**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	
120-12-7	**Anthracene**	**81.8**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**581**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	
129-00-0	**Pyrene**	**531**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	116	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**238**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	
117-81-7	bis(2-ethylhexyl)phthalate	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
218-01-9	**Chrysene**	**285**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	
117-84-0	Di-n-octyl phthalate	ND	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**223**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	J
207-08-9	**Benzo[k]fluoranthene**	**200**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	J
50-32-8	**Benzo[a]pyrene**	**219**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**113**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	J
53-70-3	**Dibenzo(a,h)anthracene**	**47.7**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	J
191-24-2	**Benzo[ghi]perylene**	**115**	46.7	234	ug/kg dry	1	12/24/15 07:52	12/28/15 15:48/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*57 %*	*30-130*		*12/24/15 07:52*	*12/28/15 15:48/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*66 %*	*30-130*		*12/24/15 07:52*	*12/28/15 15:48/JMM*	*EPA 8270*	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Client ID: EP-18

Lab ID: 1502323-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: Nitrobenzene-d5				*64 %*	*30-130*		*12/24/15 07:52*	*12/28/15 15:48/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*62 %*	*30-130*		*12/24/15 07:52*	*12/28/15 15:48/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*85 %*	*30-130*		*12/24/15 07:52*	*12/28/15 15:48/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*83 %*	*30-130*		*12/24/15 07:52*	*12/28/15 15:48/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.81	9.34	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.87	1.87	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.926	0.926	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	46.7	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

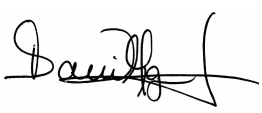
Client ID: EP-18

Lab ID: 1502323-01 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
11104-28-2	Aroclor-1221	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	23.3	46.7	ug/kg dry	1	12/24/15 07:49	12/28/15 14:44/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*63.5 %*	*30-150*		*12/24/15 07:49*	*12/28/15 14:44/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*56.6 %*	*30-150*		*12/24/15 07:49*	*12/28/15 14:44/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*54.9 %*	*30-150*		*12/24/15 07:49*	*12/28/15 14:44/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*65.1 %*	*30-150*		*12/24/15 07:49*	*12/28/15 14:44/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**7830**	28.1	28.1	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.61	5.61	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.77**	1.40	1.40	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-39-3	**Barium**	**60.3**	28.1	28.1	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.701	0.701	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.701	0.701	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	U
7440-70-2	**Calcium**	**12900**	35.1	35.1	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-47-3	**Chromium**	**16.1**	2.81	2.81	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-48-4	Cobalt	ND	7.01	7.01	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	U
7440-50-8	**Copper**	**24.4**	4.21	4.21	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7439-89-6	**Iron**	**13800**	35.1	35.1	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7439-92-1	**Lead**	**48.5**	1.40	1.40	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7439-95-4	**Magnesium**	**8720**	70.1	70.1	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	12/30/2015 14:23

Client ID: EP-18

Lab ID: 1502323-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-96-5	**Manganese**	**319**	2.81	2.81	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-02-0	**Nickel**	**10.5**	5.61	5.61	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-09-7	**Potassium**	**1640**	70.1	70.1	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.61	5.61	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.701	0.701	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	U
7440-23-5	**Sodium**	**209**	70.1	70.1	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-28-0	Thallium	ND	2.10	4.21	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**22.0**	7.01	7.01	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
7440-66-6	**Zinc**	**64.4**	8.42	8.42	mg/kg dry	1	12/24/15 08:18	12/28/15 11:22/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.108**	0.105	0.105	mg/kg dry	1	12/24/15 07:47	12/24/15 11:01/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**16.1**	2.00	2.00	mg/kg dry	1	12/28/15 08:56	12/29/15 16:01/HTW	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.40	1.40	mg/kg dry	1	12/28/15 08:20	12/28/15 11:54/RMK	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**71.3**	0.100	0.100	%	1	12/28/15 10:00	12/28/15 13:59/CLD	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.81	2.81	mg/kg dry	1	12/28/15 08:56	12/29/15 16:01/HTW	EPA 7196A	

Accredited Analytical Resources LLC

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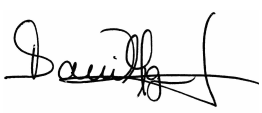


Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 E. 138th Street, Bronx, NY
CONTACT:	Doug Harm + Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm + Sean Harrison
EMAIL FOR INVOICE:	dharm@brinkenv.com + sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental Services, Inc.
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1502323
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL Full	TCL Full	Hex Chrom	Tri Chrom	AAR SAMPLE #
EP-18	12/23/15 10:10	S		4	G	X	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER 1 Week
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Category B data deliverable. Hard copy by January 13th, 2015 NYSDEC
COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: K. Muniz	Print Name:	Print Name:
Signature: Monica Norton	Signature: K. Muniz	Signature:	Signature:
Agent of:	Agent of: AAR	Agent of:	Agent of:
Date Received: 12/23/15	Time: 1200	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

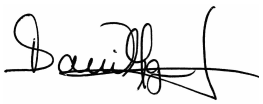
Accredited Analytical Resources, LLC.

11 January 2016 AAR Work Order: 1502333

Doug Harm
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 East 138th Street, Bronx, NY

Enclosed are the results of analyses for samples received by the laboratory on 12/28/2015 12:57. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	01/11/2016 15:15

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-19	1502333-01	Soil	12/28/2015 09:05	12/28/2015 12:57

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	01/11/2016 15:15

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

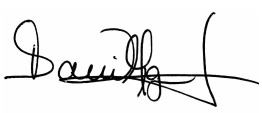
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Doug Harm

Reported:
01/11/2016 15:15

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Doug Harm

Reported:
01/11/2016 15:15

Client ID: EP-19

Lab ID: 1502333-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	10.8	18.1	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	3.62	18.1	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
67-64-1	**Acetone**	**9.22**	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
71-43-2	Benzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	01/11/2016 15:15

Client ID: EP-19

Lab ID: 1502333-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
108-88-3	Toluene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	3.62	7.23	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
95-47-6	o-Xylene	ND	3.62	7.23	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
100-42-5	Styrene	ND	1.81	7.23	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U

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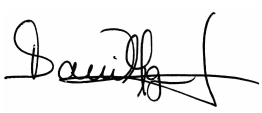

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Doug Harm

Reported:
01/11/2016 15:15

Client ID: EP-19

Lab ID: 1502333-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
95-63-6	1,2,4-Trimethylbenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.81	3.62	ug/kg dry	1	12/28/15 18:46	12/28/15 18:46/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*109 %*	*70-130*		*12/28/15 18:46*	*12/28/15 18:46/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*102 %*	*70-130*		*12/28/15 18:46*	*12/28/15 18:46/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*87 %*	*70-130*		*12/28/15 18:46*	*12/28/15 18:46/SG*	*EPA 8260*	

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method:EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
108-95-2	Phenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U

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1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Doug Harm

Reported:
01/11/2016 15:15

Client ID: EP-19

Lab ID: 1502333-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
78-59-1	Isophorone	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	105	422	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	42.2	422	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Doug Harm

Reported:
01/11/2016 15:15

Client ID: EP-19

Lab ID: 1502333-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
86-73-7	Fluorene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
120-12-7	Anthracene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
129-00-0	Pyrene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	105	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
218-01-9	Chrysene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	42.2	211	ug/kg dry	1	12/30/15 07:43	12/30/15 18:51/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*68 %*	*30-130*		*12/30/15 07:43*	*12/30/15 18:51/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*76 %*	*30-130*		*12/30/15 07:43*	*12/30/15 18:51/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*70 %*	*30-130*		*12/30/15 07:43*	*12/30/15 18:51/JMM*	*EPA 8270*	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Doug Harm

Reported:
01/11/2016 15:15

Client ID: EP-19

Lab ID: 1502333-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl	*68 %*	*30-130*		*12/30/15 07:43*	*12/30/15 18:51/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*86 %*	*30-130*		*12/30/15 07:43*	*12/30/15 18:51/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*91 %*	*30-130*		*12/30/15 07:43*	*12/30/15 18:51/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.53	8.43	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.68	1.68	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.835	0.835	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	42.2	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U

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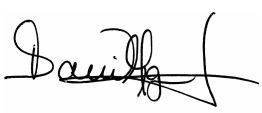

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Doug Harm

Reported:
01/11/2016 15:15

Client ID: EP-19

Lab ID: 1502333-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	21.0	42.2	ug/kg dry	1	12/30/15 07:39	12/30/15 13:54/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*88.5 %*	*30-150*		*12/30/15 07:39*	*12/30/15 13:54/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*82.4 %*	*30-150*		*12/30/15 07:39*	*12/30/15 13:54/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*101 %*	*30-150*		*12/30/15 07:39*	*12/30/15 13:54/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*100 %*	*30-150*		*12/30/15 07:39*	*12/30/15 13:54/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8440**	25.3	25.3	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-36-0	Antimony	ND	5.06	5.06	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**1.85**	1.27	1.27	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-39-3	**Barium**	**39.1**	25.3	25.3	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.633	0.633	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.633	0.633	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	U
7440-70-2	**Calcium**	**1630**	31.6	31.6	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-47-3	**Chromium**	**13.6**	2.53	2.53	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-48-4	**Cobalt**	**8.24**	6.33	6.33	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-50-8	**Copper**	**13.3**	3.80	3.80	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7439-89-6	**Iron**	**12200**	31.6	31.6	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7439-92-1	**Lead**	**8.20**	1.27	1.27	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7439-95-4	**Magnesium**	**4060**	63.3	63.3	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7439-96-5	**Manganese**	**98.8**	2.53	2.53	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	

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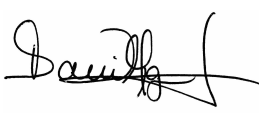

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Doug Harm	01/11/2016 15:15

Client ID: EP-19

Lab ID: 1502333-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**15.2**	5.06	5.06	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-09-7	**Potassium**	**994**	63.3	63.3	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7782-49-2	Selenium	ND	5.06	5.06	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.633	0.633	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	U
7440-23-5	**Sodium**	**124**	63.3	63.3	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.90	3.80	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**12.7**	6.33	6.33	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
7440-66-6	**Zinc**	**45.5**	7.59	7.59	mg/kg dry	1	12/29/15 10:50	12/30/15 12:28/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.0949	0.0949	mg/kg dry	1	12/30/15 07:44	12/30/15 10:49/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**13.6**	2.00	2.00	mg/kg dry	1	01/04/16 09:22	01/05/16 15:12/HTW	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.27	1.27	mg/kg dry	1	01/04/16 09:25	01/05/16 12:28/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**79.0**	0.100	0.100	%	1	12/30/15 16:00	01/04/16 09:32/CLD	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.53	2.53	mg/kg dry	1	01/04/16 09:22	01/05/16 15:12/HTW	EPA 7196A	

Accredited Analytical Resources LLC

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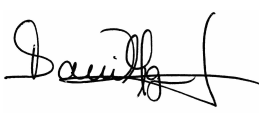

Daniel Miguel, Technical Director

CHAIN OF CUSTODY FORM

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 E. 138th Street, Bronx, NY
CONTACT:	Doug Harm + Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm + Sean Harrison
EMAIL FOR INVOICE:	dharm@brinkenv + Sharrison@brinkenv

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Monasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1502333
P.O. #	10BR188

ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL full	TCL full	Hex Chrom	Tri Chrom	AAR SAMPLE #
	PRES. CODE →					5	E	6	6	
	CONT. CODE →									
EP-19	12/28/15 / 9:05	S		4	G	X	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD ~~5 DAY~~ M.N. 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Category B data deliverable. Hard copy by January 26th M.N. 2015 27th NYSDEC

COOLER TEMP: 4°

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: D. Miguel	Print Name:	Print Name:
Signature: Monica Norton	Signature:	Signature:	Signature:
Agent of:	Agent of: AAR	Agent of:	Agent of:
Date Received: 12/28/15 Time: 12:57		Date Received: / / Time:	

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / / Time:		Date Received: / / Time:	

Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 E. 138th Street

AAR Work Order: 1600232

Client Sample ID:	Lab Sample ID:
EP-20	1600232-01
EP-20	1600232-01RE1

This data has been reviewed and accepted by:

Daniel Miguel 02/17/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Methodology Summary

EPA Method SW846 8081/8082:
NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:
NJ 8270C
NY 8270D

Total Mercury by SW846 7471:
NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:
NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:
NJ 8260B
NY 8260C

Wet Chemistry:
Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 E. 138th Street**
Work Order: **1600232**

Received: 2/10/16 13:00

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

CHAIN OF CUSTODY FORM

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ ZIP: 08736

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 E. 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Sean Harrison
EMAIL FOR INVOICE:	sharrison@brinkenv.com

AAR QUOTE #	
AAR WORK ORDER #	1690232
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL Pest	TCL Pest	Hex Chrom	Tri Chrom	AAR SAMPLE #
EP-20	2/10/16/10:15	S		4	G	✓	✓	✓	✓	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____
CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE)	STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER 1 week (IF BLANK STANDARD WILL APPLY)
REPORT TYPE:	RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Forte NYSDEC category B data deliverable - Send invoice to Brinkerhoff
COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: MonicaNorton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: K. Muniz	Print Name:	Print Name:
Signature: MonicaNorton	Signature: K. Muniz	Signature:	Signature:
Agent of: BES	Agent of: AAR	Agent of:	Agent of:
Date Received: 2/10/16	Time: 1300	Date Received: / /	Time:
RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-20	1600232-01	Soil	02/10/2016 10:15	02/10/2016 13:00

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

PEST/PCB

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 05:58	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B	File ID:	G15425.D
Prep Batch:	B6B1201	Sequence:	S6B1501	Analyzed:	02/15/16 13:15
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.795	0.795	U
319-85-7	beta-BHC	ND	0.795	0.795	U
319-86-8	delta-BHC	ND	0.795	0.795	U
58-89-9	gamma-BHC [Lindane]	ND	0.795	0.795	U
76-44-8	Heptachlor	ND	0.795	0.795	U
309-00-2	Aldrin	ND	0.795	0.795	U
1024-57-3	Heptachlor Epoxide	ND	0.795	0.795	U
959-98-8	Endosulfan I	ND	0.795	0.795	U
60-57-1	Dieldrin	ND	1.60	1.60	U
72-55-9	4,4'-DDE	ND	1.60	1.60	U
72-20-8	Endrin	ND	1.60	1.60	U
33213-65-9	Endosulfan II	ND	1.60	1.60	U
72-54-8	4,4'-DDD	ND	1.60	1.60	U
1031-07-8	Endosulfan sulfate	ND	1.60	1.60	U
50-29-3	4,4'-DDT	ND	1.60	1.60	U
72-43-5	Methoxychlor	ND	2.41	8.02	U
53494-70-5	Endrin ketone	ND	1.60	1.60	U
7421-93-4	Endrin aldehyde	ND	1.60	1.60	U
5103-71-9	alpha-Chlordane	ND	0.795	0.795	U
5566-34-7	gamma-Chlordane	ND	0.795	0.795	U
8001-35-2	Toxaphene	ND	40.1	40.1	U
12674-11-2	Aroclor-1016	ND	20.0	40.1	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 05:58	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B	File ID:	G15425.D
Prep Batch:	B6B1201	Sequence:	S6B1501	Analyzed:	02/15/16 13:15
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.0	40.1	U
11141-16-5	Aroclor-1232	ND	20.0	40.1	U
53469-21-9	Aroclor-1242	ND	20.0	40.1	U
12672-29-6	Aroclor-1248	ND	20.0	40.1	U
11097-69-1	Aroclor-1254	ND	20.0	40.1	U
11096-82-5	Aroclor-1260	ND	20.0	40.1	U
37324-23-5	Aroclor-1262	ND	20.0	40.1	U
11100-14-4	Aroclor-1268	ND	20.0	40.1	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	79.6%	30-150
Tetrachloro-m-xylene [2C]	62.3%	30-150
Decachlorobiphenyl	83.3%	30-150
Decachlorobiphenyl [2C]	87.4%	30-150

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MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

SEMIVOLATILES

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/11/16 06:45	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B GCMS	File ID:	F12764.D
Prep Batch:	B6B1101	Sequence:	S6B1507	Analyzed:	02/15/16 21:03
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	40.1	201	U
108-95-2	Phenol	ND	40.1	201	U
111-44-4	bis(2-chloroethyl)ether	ND	40.1	201	U
95-57-8	2-Chlorophenol	ND	40.1	201	U
541-73-1	1,3-Dichlorobenzene	ND	40.1	201	U
106-46-7	1,4-Dichlorobenzene	ND	40.1	201	U
100-51-6	Benzyl alcohol	ND	40.1	201	U
95-50-1	1,2-Dichlorobenzene	ND	40.1	201	U
95-48-7	2-Methylphenol	ND	40.1	201	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	40.1	201	U
106-44-5	3 & 4-Methylphenol	ND	40.1	201	U
621-64-7	N-Nitroso-di-n-propylamine	ND	40.1	201	U
67-72-1	Hexachloroethane	ND	40.1	201	U
98-95-3	Nitrobenzene	ND	40.1	201	U
78-59-1	Isophorone	ND	40.1	201	U
88-75-5	2-Nitrophenol	ND	40.1	201	U
105-67-9	2,4-Dimethylphenol	ND	40.1	201	U
65-85-0	Benzoic acid	ND	100	401	U
111-91-1	bis(2-chloroethoxy)methane	ND	40.1	201	U
120-83-2	2,4-Dichlorophenol	ND	40.1	201	U
120-82-1	1,2,4-Trichlorobenzene	ND	40.1	201	U
91-20-3	Naphthalene	2430	40.1	201	
106-47-8	4-Chloroaniline	ND	40.1	201	U
87-68-3	Hexachlorobutadiene	ND	40.1	201	U
59-50-7	4-Chloro-3-methylphenol	ND	40.1	201	U
91-57-6	2-Methylnaphthylene	4050	40.1	201	

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/11/16 06:45	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B GCMS	File ID:	F12764.D
Prep Batch:	B6B1101	Sequence:	S6B1507	Analyzed:	02/15/16 21:03
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	40.1	201	U
88-06-2	2,4,6-Trichlorophenol	ND	40.1	201	U
95-95-4	2,4,5-Trichlorophenol	ND	40.1	201	U
91-58-7	2-Chloronaphthalene	ND	40.1	201	U
88-74-4	2-Nitroaniline	ND	40.1	201	U
131-11-3	Dimethylphthalate	ND	40.1	201	U
208-96-8	Acenaphthylene	ND	40.1	201	U
99-09-2	3-Nitroaniline	ND	40.1	201	U
83-32-9	Acenaphthene	ND	40.1	201	U
51-28-5	2,4-Dinitrophenol	ND	40.1	401	U
100-02-7	4-Nitrophenol	ND	40.1	201	U
132-64-9	Dibenzofuran	ND	40.1	201	U
606-20-2	2,6-Dinitrotoluene	ND	40.1	201	U
121-14-2	2,4-Dinitrotoluene	ND	40.1	201	U
84-66-2	Diethyl phthalate	ND	40.1	201	U
7005-72-3	4-Chlorophenyl-phenylether	ND	40.1	201	U
86-73-7	Fluorene	490	40.1	201	
100-01-6	4-Nitroaniline	ND	40.1	201	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	40.1	201	U
86-30-6	N-Nitrosodiphenylamine	ND	40.1	201	U
101-55-3	4-Bromophenyl-phenylether	ND	40.1	201	U
118-74-1	Hexachlorobenzene	ND	40.1	201	U
87-86-5	Pentachlorophenol	ND	40.1	201	U
85-01-8	Phenanthrene	964	40.1	201	
120-12-7	Anthracene	ND	40.1	201	U
84-74-2	Di-n-butyl phthalate	ND	40.1	201	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/11/16 06:45	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 3550B GCMS	File ID:	F12764.D
Prep Batch:	B6B1101	Sequence:	S6B1507	Analyzed:	02/15/16 21:03
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	ND	40.1	201	U
129-00-0	Pyrene	396	40.1	201	
85-68-7	Butylbenzylphthalate	ND	40.1	201	U
91-94-1	3,3'-Dichlorobenzidine	ND	100	201	U
56-55-3	Benzo[a]anthracene	ND	40.1	201	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	40.1	201	U
218-01-9	Chrysene	ND	40.1	201	U
117-84-0	Di-n-octyl phthalate	ND	40.1	201	U
205-99-2	Benzo[b]fluoranthene	ND	40.1	201	U
207-08-9	Benzo[k]fluoranthene	ND	40.1	201	U
50-32-8	Benzo[a]pyrene	ND	40.1	201	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40.1	201	U
53-70-3	Dibenzo(a,h)anthracene	ND	40.1	201	U
191-24-2	Benzo[ghi]perylene	ND	40.1	201	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	61%	30-130
Phenol-d5	71%	30-130
Nitrobenzene-d5	99%	30-130
2-Fluorobiphenyl	82%	30-130
2,4,6-Tribromophenol	91%	30-130
Terphenyl-d14	99%	30-130

* Values outside of QC limits
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U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 16:25	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14126.D
Prep Batch:	B6B1509	Sequence:	S6B1503	Analyzed:	02/12/16 16:25
Dilution:	200			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	1450	2410	U
107-13-1	Acrylonitrile	ND	482	2410	U
67-64-1	Acetone	ND	241	482	U
75-71-8	Dichlorodifluoromethane	ND	241	482	U
74-87-3	Chloromethane	ND	241	482	U
75-01-4	Vinyl chloride	ND	241	482	U
74-83-9	Bromomethane	ND	241	482	U
75-00-3	Chloroethane	ND	241	482	U
75-69-4	Trichlorofluoromethane	ND	241	482	U
75-35-4	1,1-Dichloroethene	ND	241	482	U
75-15-0	Carbon disulfide	ND	241	482	U
75-09-2	Methylene Chloride	ND	241	482	U
156-60-5	trans-1,2-Dichloroethene	ND	241	482	U
75-34-3	1,1-Dichloroethane	ND	241	482	U
108-05-4	Vinyl acetate	ND	241	482	U
590-20-7	2,2-Dichloropropane	ND	241	482	U
78-93-3	2-Butanone	ND	241	482	U
156-59-4	cis-1,2-Dichloroethene	ND	241	482	U
67-66-3	Chloroform	ND	241	482	U
74-97-5	Bromochloromethane	ND	241	482	U
71-55-6	1,1,1-Trichloroethane	ND	241	482	U
563-58-6	1,1-Dichloropropene	ND	241	482	U
56-23-5	Carbon Tetrachloride	ND	241	482	U
107-06-2	1,2-Dichloroethane	ND	241	482	U
71-43-2	Benzene	798	241	482	D
79-01-6	Trichloroethene	ND	241	482	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 16:25	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14126.D
Prep Batch:	B6B1509	Sequence:	S6B1503	Analyzed:	02/12/16 16:25
Dilution:	200			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	241	482	U
75-27-4	Bromodichloromethane	ND	241	482	U
74-95-3	Dibromomethane	ND	241	482	U
110-75-8	2-Chloroethyl vinyl ether	ND	241	482	U
10061-01-5	cis-1,3-Dichloropropene	ND	241	482	U
108-88-3	Toluene	11700	241	482	D
10061-02-6	trans-1,3-Dichloropropene	ND	241	482	U
79-00-5	1,1,2-Trichloroethane	ND	241	482	U
108-10-1	4-Methyl-2-pentanone	ND	241	482	U
106-93-4	1,2-Dibromoethane	ND	241	482	U
591-78-6	2-Hexanone	ND	241	482	U
142-28-9	1,3-Dichloropropane	ND	241	482	U
127-18-4	Tetrachloroethene	ND	241	482	U
124-48-1	Dibromochloromethane	ND	241	482	U
100-41-4	Ethylbenzene	20400	241	482	D
108-90-7	Chlorobenzene	ND	241	482	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	241	482	U
108-38-3/106-42	m,p-Xylenes	83600	482	964	D
95-47-6	o-Xylene	42300	482	964	D
100-42-5	Styrene	ND	241	964	U
75-25-2	Bromoform	ND	241	482	U
98-82-8	Isopropylbenzene	5920	241	482	D
79-34-5	1,1,2,2-Tetrachloroethane	ND	241	482	U
96-18-4	1,2,3-Trichloropropane	ND	241	482	U
103-65-1	n-Propyl Benzene	19400	241	482	D
108-86-1	Bromobenzene	ND	241	482	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/12/16 16:25	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14126.D
Prep Batch:	B6B1509	Sequence:	S6B1503	Analyzed:	02/12/16 16:25
Dilution:	200			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	35100	241	482	D
95-49-8	2-Chlorotoluene	ND	241	482	U
106-43-4	4-Chlorotoluene	ND	241	482	U
98-06-6	tert-Butylbenzene	ND	241	482	U
95-63-6	1,2,4-Trimethylbenzene	112000	241	482	D, E
135-98-8	sec-Butylbenzene	7650	241	482	D
99-87-6	p-Isopropyltoluene	4540	241	482	D
541-73-1	1,3-Dichlorobenzene	ND	241	482	U
106-46-7	1,4-Dichlorobenzene	ND	241	482	U
104-51-8	n-Butyl Benzene	16500	241	482	D
95-50-1	1,2-Dichlorobenzene	ND	241	482	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	241	482	U
120-82-1	1,2,4-Trichlorobenzene	ND	241	482	U
87-68-3	Hexachlorobutadiene	ND	241	482	U
87-61-6	1,2,3-Trichlorobenzene	ND	241	482	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	101%	70-130
Toluene-d8	104%	70-130
Bromofluorobenzene	109%	70-130

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E - Concentration exceeds highest calibration standard
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MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01RE1
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/15/16 15:48	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14142.D
Prep Batch:	B6B1514	Sequence:	S6B1511	Analyzed:	02/15/16 15:48
Dilution:	1000			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7230	12000	U
107-13-1	Acrylonitrile	ND	2410	12000	U
67-64-1	Acetone	ND	1200	2410	U
75-71-8	Dichlorodifluoromethane	ND	1200	2410	U
74-87-3	Chloromethane	ND	1200	2410	U
75-01-4	Vinyl chloride	ND	1200	2410	U
74-83-9	Bromomethane	ND	1200	2410	U
75-00-3	Chloroethane	ND	1200	2410	U
75-69-4	Trichlorofluoromethane	ND	1200	2410	U
75-35-4	1,1-Dichloroethene	ND	1200	2410	U
75-15-0	Carbon disulfide	ND	1200	2410	U
75-09-2	Methylene Chloride	ND	1200	2410	U
156-60-5	trans-1,2-Dichloroethene	ND	1200	2410	U
75-34-3	1,1-Dichloroethane	ND	1200	2410	U
108-05-4	Vinyl acetate	ND	1200	2410	U
590-20-7	2,2-Dichloropropane	ND	1200	2410	U
78-93-3	2-Butanone	ND	1200	2410	U
156-59-4	cis-1,2-Dichloroethene	ND	1200	2410	U
67-66-3	Chloroform	ND	1200	2410	U
74-97-5	Bromochloromethane	ND	1200	2410	U
71-55-6	1,1,1-Trichloroethane	ND	1200	2410	U
563-58-6	1,1-Dichloropropene	ND	1200	2410	U
56-23-5	Carbon Tetrachloride	ND	1200	2410	U
107-06-2	1,2-Dichloroethane	ND	1200	2410	U
71-43-2	Benzene	ND	1200	2410	U
79-01-6	Trichloroethene	ND	1200	2410	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01RE1
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/15/16 15:48	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14142.D
Prep Batch:	B6B1514	Sequence:	S6B1511	Analyzed:	02/15/16 15:48
Dilution:	1000			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	1200	2410	U
75-27-4	Bromodichloromethane	ND	1200	2410	U
74-95-3	Dibromomethane	ND	1200	2410	U
110-75-8	2-Chloroethyl vinyl ether	ND	1200	2410	U
10061-01-5	cis-1,3-Dichloropropene	ND	1200	2410	U
108-88-3	Toluene	11300	1200	2410	D
10061-02-6	trans-1,3-Dichloropropene	ND	1200	2410	U
79-00-5	1,1,2-Trichloroethane	ND	1200	2410	U
108-10-1	4-Methyl-2-pentanone	ND	1200	2410	U
106-93-4	1,2-Dibromoethane	ND	1200	2410	U
591-78-6	2-Hexanone	ND	1200	2410	U
142-28-9	1,3-Dichloropropane	ND	1200	2410	U
127-18-4	Tetrachloroethene	ND	1200	2410	U
124-48-1	Dibromochloromethane	ND	1200	2410	U
100-41-4	Ethylbenzene	20400	1200	2410	D
108-90-7	Chlorobenzene	ND	1200	2410	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1200	2410	U
108-38-3/106-42	m,p-Xylenes	82000	2410	4820	D
95-47-6	o-Xylene	41800	2410	4820	D
100-42-5	Styrene	ND	1200	4820	U
75-25-2	Bromoform	ND	1200	2410	U
98-82-8	Isopropylbenzene	6600	1200	2410	D
79-34-5	1,1,2,2-Tetrachloroethane	ND	1200	2410	U
96-18-4	1,2,3-Trichloropropane	ND	1200	2410	U
103-65-1	n-Propyl Benzene	20600	1200	2410	D
108-86-1	Bromobenzene	ND	1200	2410	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01RE1
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Prep Date:	02/15/16 15:48	Matrix:	Soil
Percent Solids:	83.00	Prep Method:	EPA 5035A	File ID:	D14142.D
Prep Batch:	B6B1514	Sequence:	S6B1511	Analyzed:	02/15/16 15:48
Dilution:	1000			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	38300	1200	2410	D
95-49-8	2-Chlorotoluene	ND	1200	2410	U
106-43-4	4-Chlorotoluene	ND	1200	2410	U
98-06-6	tert-Butylbenzene	ND	1200	2410	U
95-63-6	1,2,4-Trimethylbenzene	131000	1200	2410	D
135-98-8	sec-Butylbenzene	8720	1200	2410	D
99-87-6	p-Isopropyltoluene	4800	1200	2410	D
541-73-1	1,3-Dichlorobenzene	ND	1200	2410	U
106-46-7	1,4-Dichlorobenzene	ND	1200	2410	U
104-51-8	n-Butyl Benzene	18400	1200	2410	D
95-50-1	1,2-Dichlorobenzene	ND	1200	2410	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1200	2410	U
120-82-1	1,2,4-Trichlorobenzene	ND	1200	2410	U
87-68-3	Hexachlorobutadiene	ND	1200	2410	U
87-61-6	1,2,3-Trichlorobenzene	ND	1200	2410	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	106%	70-130
Toluene-d8	102%	70-130
Bromofluorobenzene	99%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled:	02/10/16 10:15	Matrix:	Soil
Percent Solids:	83.00	File ID:	021216A-017

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	9020	24.1	24.1	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0904	0.0904	1	U	02/11/16 11:16	EPA 7471A	02/11/16 15:37 PRT	EPA 7471
7440-36-0	Antimony	ND	4.82	4.82	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-38-2	Arsenic	1.91	1.20	1.20	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-39-3	Barium	54.5	24.1	24.1	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.602	0.602	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.602	0.602	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-70-2	Calcium	2410	30.1	30.1	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-47-3	Chromium	19.4	2.41	2.41	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-48-4	Cobalt	9.45	6.02	6.02	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-50-8	Copper	18.0	3.61	3.61	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-89-6	Iron	13500	30.1	30.1	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-92-1	Lead	9.03	1.20	1.20	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-95-4	Magnesium	4150	60.2	60.2	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7439-96-5	Manganese	297	2.41	2.41	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-02-0	Nickel	15.6	4.82	4.82	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-09-7	Potassium	2190	60.2	60.2	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7782-49-2	Selenium	ND	4.82	4.82	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-22-4	Silver	ND	0.602	0.602	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-23-5	Sodium	129	60.2	60.2	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-28-0	Thallium	ND	1.81	3.61	1	U	02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-62-2	Vanadium	27.6	6.02	6.02	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010
7440-66-6	Zinc	46.6	7.23	7.23	1		02/11/16 11:25	EPA 3050B	02/12/16 12:20 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-20
Lab Sample ID: 1600232-01
Project: 255 E. 138th Street
Work Order: 1600232

Date Sampled: 02/10/16 10:15 Matrix: Soil
Percent Solids: 83.00 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	19.4	2.00	2.00	1		02/11/16 11:25	[CALC]	02/12/16 13:30 HTW	[CALC]
1854-02-99	Chromium, Hexava	ND	2.41	2.41	1	U	02/11/16 08:10	SW 846 3060A	02/12/16 13:30 HTW	EPA 7196A
NA	Cyanide (total)	ND	1.20	1.20	1	U	02/12/16 08:18	EPA 9010C	02/12/16 16:04 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	83.0	0.100	0.100	1		02/11/16 09:16	Percent Solids	02/12/16 09:53 CLD	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

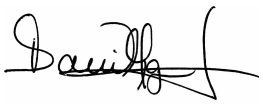
Accredited Analytical Resources, LLC.

25 July 2016 AAR Work Order: 1601375

Sean Harrison
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 East 138th Street

Enclosed are the results of analyses for samples received by the laboratory on 07/21/2016 13:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	07/25/2016 15:38

Analytical Report for Samples

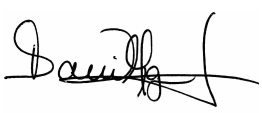
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-21	1601375-01	Soil	07/21/2016 00:00	07/21/2016 13:40

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
D	Data reported from a dilution
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	07/25/2016 15:38

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

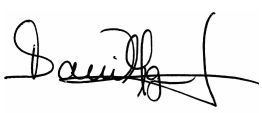
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	07/25/2016 15:38

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	7.78	13.0	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.59	13.0	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
67-64-1	Acetone	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
75-71-8	Dichlorodifluoromethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
75-15-0	**Carbon disulfide**	**2.10**	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	J
75-09-2	Methylene Chloride	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
71-43-2	Benzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
108-88-3	Toluene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.59	5.19	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.59	5.19	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
100-42-5	Styrene	ND	1.30	5.19	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.30	2.59	ug/kg dry	1	07/22/16 02:59	07/22/16 02:59/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*190 %*	*70-130*	*	*07/22/16 02:59*	*07/22/16 02:59/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*101 %*	*70-130*		*07/22/16 02:59*	*07/22/16 02:59/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*79 %*	*70-130*		*07/22/16 02:59*	*07/22/16 02:59/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
108-95-2	Phenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
78-59-1	Isophorone	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	102	411	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**65.3**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
91-57-6	**2-Methylnaphthylene**	**47.7**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
77-47-4	Hexachlorocyclopentadiene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
208-96-8	**Acenaphthylene**	**61.3**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
99-09-2	3-Nitroaniline	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**151**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	41.1	411	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
132-64-9	**Dibenzofuran**	**96.2**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
606-20-2	2,6-Dinitrotoluene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
84-66-2	Diethyl phthalate	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
86-73-7	**Fluorene**	**162**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**1510**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
120-12-7	**Anthracene**	**351**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
84-74-2	Di-n-butyl phthalate	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**1760**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
129-00-0	**Pyrene**	**2120**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	102	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**811**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
117-81-7	**bis(2-ethylhexyl)phthalate**	**68.5**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
218-01-9	**Chrysene**	**822**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
117-84-0	Di-n-octyl phthalate	ND	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**1180**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
207-08-9	**Benzo[k]fluoranthene**	**505**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
50-32-8	**Benzo[a]pyrene**	**759**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**189**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
53-70-3	**Dibenzo(a,h)anthracene**	**69.2**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
191-24-2	**Benzo[ghi]perylene**	**189**	41.1	206	ug/kg dry	1	07/22/16 10:22	07/22/16 20:35/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*59 %*	*30-130*		*07/22/16 10:22*	*07/22/16 20:35/JMM*	*EPA 8270*	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Phenol-d5				*63 %*	*30-130*		*07/22/16 10:22*	*07/22/16 20:35/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*75 %*	*30-130*		*07/22/16 10:22*	*07/22/16 20:35/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*71 %*	*30-130*		*07/22/16 10:22*	*07/22/16 20:35/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*81 %*	*30-130*		*07/22/16 10:22*	*07/22/16 20:35/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*108 %*	*30-130*		*07/22/16 10:22*	*07/22/16 20:35/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.47	8.22	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.64	1.64	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
5566-34-7	**gamma-Chlordane**	**13.7**	0.815	0.815	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	
8001-35-2	Toxaphene	ND	41.1	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
07/25/2016 15:38

Client ID: EP-21
Lab ID: 1601375-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
12674-11-2	Aroclor-1016	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	20.5	41.1	ug/kg dry	1	07/25/16 06:06	07/25/16 13:30/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*60.7 %*	*30-150*		*07/25/16 06:06*	*07/25/16 13:30/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*79.1 %*	*30-150*		*07/25/16 06:06*	*07/25/16 13:30/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*72.4 %*	*30-150*		*07/25/16 06:06*	*07/25/16 13:30/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*129 %*	*30-150*		*07/25/16 06:06*	*07/25/16 13:30/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8930**	24.3	24.3	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-36-0	Antimony	ND	4.85	4.85	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.98**	1.21	1.21	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-39-3	**Barium**	**70.3**	24.3	24.3	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.606	0.606	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	U
7440-43-9	**Cadmium**	**0.905**	0.606	0.606	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-70-2	**Calcium**	**34600**	758	758	mg/kg dry	25	07/22/16 07:29	07/22/16 14:20/LIT	EPA 6010	D
7440-47-3	**Chromium**	**29.2**	2.43	2.43	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-48-4	**Cobalt**	**7.51**	6.06	6.06	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-50-8	**Copper**	**39.3**	3.64	3.64	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7439-89-6	**Iron**	**19000**	30.3	30.3	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7439-92-1	**Lead**	**87.7**	1.21	1.21	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	

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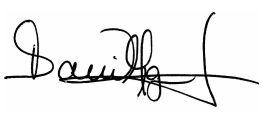

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-95-4	**Magnesium**	**14800**	60.6	60.6	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7439-96-5	**Manganese**	**392**	2.43	2.43	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-02-0	**Nickel**	**16.0**	4.85	4.85	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-09-7	**Potassium**	**1570**	60.6	60.6	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7782-49-2	Selenium	ND	4.85	4.85	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.606	0.606	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	U
7440-23-5	**Sodium**	**309**	60.6	60.6	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.82	3.64	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**24.4**	6.06	6.06	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
7440-66-6	**Zinc**	**92.0**	7.28	7.28	mg/kg dry	1	07/22/16 07:29	07/22/16 13:34/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.131**	0.0926	0.0926	mg/kg dry	1	07/21/16 14:00	07/22/16 12:12/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**29.2**	1.96	1.96	mg/kg dry	1	07/22/16 07:29	07/22/16 16:46/NNM	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.23	1.23	mg/kg dry	1	07/21/16 15:21	07/22/16 14:41/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**81.0**	0.100	0.100	%	1	07/25/16 08:45	07/25/16 14:28/RMK	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.47	2.47	mg/kg dry	1	07/21/16 13:58	07/22/16 16:46/NNM	EPA 7196A	

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	7.51	12.5	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.50	12.5	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
67-64-1	Acetone	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
75-71-8	Dichlorodifluoromethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
75-15-0	**Carbon disulfide**	**2.52**	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	
75-09-2	Methylene Chloride	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
71-43-2	Benzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
108-88-3	Toluene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.50	5.01	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.50	5.01	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
100-42-5	Styrene	ND	1.25	5.01	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
07/25/2016 15:38

Client ID: EP-21

Lab ID: 1601375-01RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
95-63-6	1,2,4-Trimethylbenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.25	2.50	ug/kg dry	1	07/22/16 03:30	07/22/16 03:30/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*181 %*	*70-130*	*	*07/22/16 03:30*	*07/22/16 03:30/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*98 %*	*70-130*		*07/22/16 03:30*	*07/22/16 03:30/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*75 %*	*70-130*		*07/22/16 03:30*	*07/22/16 03:30/SG*	*EPA 8260*	

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CHAIN OF CUSTODY FORM

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

STATE AGENCY (CIRCLE ONE)	NJ NY PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	(732) 223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave.
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1601375
P.O. #	10BRI88

COLLECTION INFORMATION / ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL/TCL	Hex Chrom	Tri Chrom	AAR SAMPLE #
	PRES. CODE →								
	CONT. CODE →								
EP-21	7/21/16	S	18'	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE

PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Catagory B Data Deliverables

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN: Jonathan Kraus

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathan Kraus	Print Name: K. Muniz	Print Name:	Print Name:
Signature: Jonathan Kraus	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 7/21/16	Time: 1340	Date Received: / /	Time:
RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

04 August 2016 AAR Work Order: 1601418

Sean Harrison
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 East 138 Street

Enclosed are the results of analyses for samples received by the laboratory on 07/28/2016 15:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138 Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/04/2016 15:41

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-22	1601418-01	Soil	07/28/2016 10:44	07/28/2016 15:25

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
D	Data reported from a dilution
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138 Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/04/2016 15:41

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

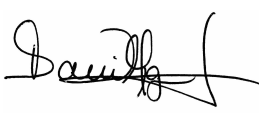
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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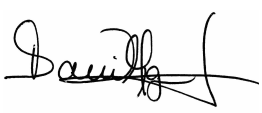
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138 Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/04/2016 15:41

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138 Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/04/2016 15:41

Client ID: EP-22

Lab ID: 1601418-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.22	10.4	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.07	10.4	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
67-64-1	**Acetone**	**5.16**	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
75-09-2	**Methylene Chloride**	**3.44**	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	B
156-60-5	trans-1,2-Dichloroethene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
78-93-3	**2-Butanone**	**2.19**	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
71-43-2	Benzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138 Street
Project Manager: Sean Harrison

Reported:
08/04/2016 15:41

Client ID: EP-22

Lab ID: 1601418-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
108-88-3	Toluene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.07	4.14	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.07	4.14	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
100-42-5	Styrene	ND	1.04	4.14	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138 Street
Project Manager: Sean Harrison

Reported:
08/04/2016 15:41

Client ID: EP-22

Lab ID: 1601418-01 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.04	2.07	ug/kg dry	1	08/02/16 12:02	08/02/16 12:02/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*103 %*	*70-130*		*08/02/16 12:02*	*08/02/16 12:02/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*103 %*	*70-130*		*08/02/16 12:02*	*08/02/16 12:02/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*103 %*	*70-130*		*08/02/16 12:02*	*08/02/16 12:02/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
108-95-2	Phenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138 Street
Project Manager: Sean Harrison

Reported:
08/04/2016 15:41

Client ID: EP-22

Lab ID: 1601418-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
78-59-1	Isophorone	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	93.0	373	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	37.3	373	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U

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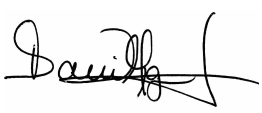

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138 Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/04/2016 15:41

Client ID: EP-22

Lab ID: 1601418-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
86-73-7	Fluorene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
120-12-7	Anthracene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
129-00-0	Pyrene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	93.0	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
218-01-9	Chrysene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	37.3	187	ug/kg dry	1	08/02/16 06:18	08/03/16 20:18/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*61 %*	*30-130*		*08/02/16 06:18*	*08/03/16 20:18/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*63 %*	*30-130*		*08/02/16 06:18*	*08/03/16 20:18/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*88 %*	*30-130*		*08/02/16 06:18*	*08/03/16 20:18/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138 Street
Project Manager: Sean Harrison

Reported:
08/04/2016 15:41

Client ID: EP-22

Lab ID: 1601418-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl	*85 %*	*30-130*		*08/02/16 06:18*	*08/03/16 20:18/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*84 %*	*30-130*		*08/02/16 06:18*	*08/03/16 20:18/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*97 %*	*30-130*		*08/02/16 06:18*	*08/03/16 20:18/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.24	7.47	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.49	1.49	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.740	0.740	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	37.3	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U

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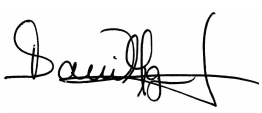

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138 Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/04/2016 15:41

Client ID: EP-22

Lab ID: 1601418-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	18.6	37.3	ug/kg dry	1	08/02/16 06:14	08/03/16 15:39/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*59.6 %*	*30-150*		*08/02/16 06:14*	*08/03/16 15:39/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*73.4 %*	*30-150*		*08/02/16 06:14*	*08/03/16 15:39/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*64.1 %*	*30-150*		*08/02/16 06:14*	*08/03/16 15:39/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*72.0 %*	*30-150*		*08/02/16 06:14*	*08/03/16 15:39/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**6740**	22.4	22.4	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7440-36-0	Antimony	ND	4.48	4.48	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	U
7440-38-2	Arsenic	ND	1.12	1.12	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	U
7440-39-3	**Barium**	**39.4**	22.4	22.4	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.561	0.561	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.561	0.561	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	U
7440-70-2	**Calcium**	**47200**	701	701	mg/kg dry	25	08/02/16 08:51	08/02/16 14:53/LIT	EPA 6010	D
7440-47-3	**Chromium**	**15.4**	2.24	2.24	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7440-48-4	**Cobalt**	**6.21**	5.61	5.61	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7440-50-8	**Copper**	**13.1**	3.36	3.36	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7439-89-6	**Iron**	**12100**	28.0	28.0	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7439-92-1	**Lead**	**6.79**	1.12	1.12	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7439-95-4	**Magnesium**	**29100**	56.1	56.1	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7439-96-5	**Manganese**	**515**	2.24	2.24	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	

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1805 Atlantic Ave.	Project: 255 East 138 Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/04/2016 15:41

Client ID: EP-22

Lab ID: 1601418-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**10.7**	4.48	4.48	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7440-09-7	**Potassium**	**1890**	56.1	56.1	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7782-49-2	Selenium	ND	4.48	4.48	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.561	0.561	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	U
7440-23-5	**Sodium**	**166**	56.1	56.1	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.68	3.36	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**24.5**	5.61	5.61	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
7440-66-6	**Zinc**	**36.8**	6.73	6.73	mg/kg dry	1	08/02/16 08:51	08/02/16 14:13/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.0841	0.0841	mg/kg dry	1	07/29/16 07:41	08/01/16 09:21/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**15.4**	2.00	2.00	mg/kg dry	1	08/02/16 08:51	08/02/16 15:52/NNM	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.12	1.12	mg/kg dry	1	08/03/16 11:12	08/03/16 17:08/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**89.2**	0.100	0.100	%	1	08/03/16 10:57	08/04/16 13:07/RMK	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.24	2.24	mg/kg dry	1	08/01/16 09:19	08/02/16 15:52/NNM	EPA 7196A	

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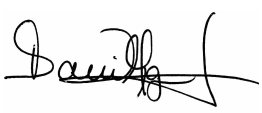

Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ NY PA
PROJECT NAME:	255 East 138 Street
CONTACT:	Sean Harrison
OFFICE PHONE #	(732) 223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	New Jersey
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1601418
P.O. #	160R188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL/TCL	Hex Chrom	Tri Chrom	AAR SAMPLE #
EP-22	7/28/16 1044	S	9-10'	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Catagory B Data Deliverables

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN: [signature]

SIGN BELOW WHEN DELIVERING SAMPLES - EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathan Kraus	Print Name: K. Muniz	Print Name:	Print Name:
Signature: [signature]	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 7/28/16	Time: 1525	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601448

Client Sample ID:	Lab Sample ID:
EP-23	1601448-01

This data has been reviewed and accepted by:

Daniel Miguel 08/08/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

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Accredited Analytical Resources, LLC.

Methodology Summary

EPA Method SW846 8081/8082:
NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:
NJ 8270C
NY 8270D

Total Mercury by SW846 7471:
NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:
NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:
NJ 8260B
NY 8260C

Wet Chemistry:
Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street**
Work Order: **1601448**

Received: 8/1/16 15:05

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

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WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	(732) 223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave.
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1601448
P.O. #	10BRIPP

COLLECTION INFORMATION

ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL/TCL	Hex chrom	Tri. chrom	AAR SAMPLE #
EP-23	8/1/16 1140	S	4	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____ (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Catagory B Data deliverables

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathon Kraus SIGN: [signature]

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathon Kraus	Print Name: K. Muniz	Print Name:	Print Name:
Signature: [signature]	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 8 / 1 / 16	Time: 1505	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-23	1601448-01	Soil	08/01/2016 11:40	08/01/2016 15:05

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

PEST/PCB

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:14	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B	File ID:	A22538.D
Prep Batch:	B6H0202	Sequence:	S6H0202	Analyzed:	08/02/16 19:01
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.776	0.776	U
319-85-7	beta-BHC	ND	0.776	0.776	U
319-86-8	delta-BHC	ND	0.776	0.776	U
58-89-9	gamma-BHC [Lindane]	ND	0.776	0.776	U
76-44-8	Heptachlor	ND	0.776	0.776	U
309-00-2	Aldrin	ND	0.776	0.776	U
1024-57-3	Heptachlor Epoxide	ND	0.776	0.776	U
959-98-8	Endosulfan I	ND	0.776	0.776	U
60-57-1	Dieldrin	ND	1.56	1.56	U
72-55-9	4,4'-DDE	ND	1.56	1.56	U
72-20-8	Endrin	ND	1.56	1.56	U
33213-65-9	Endosulfan II	ND	1.56	1.56	U
72-54-8	4,4'-DDD	ND	1.56	1.56	U
1031-07-8	Endosulfan sulfate	ND	1.56	1.56	U
50-29-3	4,4'-DDT	ND	1.56	1.56	U
72-43-5	Methoxychlor	ND	2.35	7.83	U
53494-70-5	Endrin ketone	ND	1.56	1.56	U
7421-93-4	Endrin aldehyde	ND	1.56	1.56	U
5103-71-9	alpha-Chlordane	ND	0.776	0.776	U
5566-34-7	gamma-Chlordane	ND	0.776	0.776	U
8001-35-2	Toxaphene	ND	39.1	39.1	U
12674-11-2	Aroclor-1016	ND	19.5	39.1	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:14	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B	File ID:	A22538.D
Prep Batch:	B6H0202	Sequence:	S6H0202	Analyzed:	08/02/16 19:01
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.5	39.1	U
11141-16-5	Aroclor-1232	ND	19.5	39.1	U
53469-21-9	Aroclor-1242	ND	19.5	39.1	U
12672-29-6	Aroclor-1248	ND	19.5	39.1	U
11097-69-1	Aroclor-1254	ND	19.5	39.1	U
11096-82-5	Aroclor-1260	ND	19.5	39.1	U
37324-23-5	Aroclor-1262	ND	19.5	39.1	U
11100-14-4	Aroclor-1268	ND	19.5	39.1	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	87.5%	30-150
Tetrachloro-m-xylene [2C]	115%	30-150
Decachlorobiphenyl	110%	30-150
Decachlorobiphenyl [2C]	128%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

SEMIVOLATILES

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B GCMS	File ID:	E10951.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 18:08
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	39.1	196	U
108-95-2	Phenol	ND	39.1	196	U
111-44-4	bis(2-chloroethyl)ether	ND	39.1	196	U
95-57-8	2-Chlorophenol	ND	39.1	196	U
541-73-1	1,3-Dichlorobenzene	ND	39.1	196	U
106-46-7	1,4-Dichlorobenzene	ND	39.1	196	U
100-51-6	Benzyl alcohol	ND	39.1	196	U
95-50-1	1,2-Dichlorobenzene	ND	39.1	196	U
95-48-7	2-Methylphenol	ND	39.1	196	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	39.1	196	U
106-44-5	3 & 4-Methylphenol	ND	39.1	196	U
621-64-7	N-Nitroso-di-n-propylamine	ND	39.1	196	U
67-72-1	Hexachloroethane	ND	39.1	196	U
98-95-3	Nitrobenzene	ND	39.1	196	U
78-59-1	Isophorone	ND	39.1	196	U
88-75-5	2-Nitrophenol	ND	39.1	196	U
105-67-9	2,4-Dimethylphenol	ND	39.1	196	U
65-85-0	Benzoic acid	ND	97.5	391	U
111-91-1	bis(2-chloroethoxy)methane	ND	39.1	196	U
120-83-2	2,4-Dichlorophenol	ND	39.1	196	U
120-82-1	1,2,4-Trichlorobenzene	ND	39.1	196	U
91-20-3	Naphthalene	ND	39.1	196	U
106-47-8	4-Chloroaniline	ND	39.1	196	U
87-68-3	Hexachlorobutadiene	ND	39.1	196	U
59-50-7	4-Chloro-3-methylphenol	ND	39.1	196	U
91-57-6	2-Methylnaphthylene	ND	39.1	196	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B GCMS	File ID:	E10951.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 18:08
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	39.1	196	U
88-06-2	2,4,6-Trichlorophenol	ND	39.1	196	U
95-95-4	2,4,5-Trichlorophenol	ND	39.1	196	U
91-58-7	2-Chloronaphthalene	ND	39.1	196	U
88-74-4	2-Nitroaniline	ND	39.1	196	U
131-11-3	Dimethylphthalate	ND	39.1	196	U
208-96-8	Acenaphthylene	ND	39.1	196	U
99-09-2	3-Nitroaniline	ND	39.1	196	U
83-32-9	Acenaphthene	ND	39.1	196	U
51-28-5	2,4-Dinitrophenol	ND	39.1	391	U
100-02-7	4-Nitrophenol	ND	39.1	196	U
132-64-9	Dibenzofuran	ND	39.1	196	U
606-20-2	2,6-Dinitrotoluene	ND	39.1	196	U
121-14-2	2,4-Dinitrotoluene	ND	39.1	196	U
84-66-2	Diethyl phthalate	ND	39.1	196	U
7005-72-3	4-Chlorophenyl-phenylether	ND	39.1	196	U
86-73-7	Fluorene	ND	39.1	196	U
100-01-6	4-Nitroaniline	ND	39.1	196	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	39.1	196	U
86-30-6	N-Nitrosodiphenylamine	ND	39.1	196	U
101-55-3	4-Bromophenyl-phenylether	ND	39.1	196	U
118-74-1	Hexachlorobenzene	ND	39.1	196	U
87-86-5	Pentachlorophenol	ND	39.1	196	U
85-01-8	Phenanthrene	ND	39.1	196	U
120-12-7	Anthracene	ND	39.1	196	U
84-74-2	Di-n-butyl phthalate	ND	39.1	196	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 06:18	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 3550B GCMS	File ID:	E10951.D
Prep Batch:	B6H0203	Sequence:	S6H0308	Analyzed:	08/03/16 18:08
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	ND	39.1	196	U
129-00-0	Pyrene	ND	39.1	196	U
85-68-7	Butylbenzylphthalate	ND	39.1	196	U
91-94-1	3,3'-Dichlorobenzidine	ND	97.5	196	U
56-55-3	Benzo[a]anthracene	ND	39.1	196	U
117-81-7	bis(2-ethylhexyl)phthalate	49.8	39.1	196	J
218-01-9	Chrysene	ND	39.1	196	U
117-84-0	Di-n-octyl phthalate	ND	39.1	196	U
205-99-2	Benzo[b]fluoranthene	ND	39.1	196	U
207-08-9	Benzo[k]fluoranthene	ND	39.1	196	U
50-32-8	Benzo[a]pyrene	ND	39.1	196	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39.1	196	U
53-70-3	Dibenzo(a,h)anthracene	ND	39.1	196	U
191-24-2	Benzo[ghi]perylene	ND	39.1	196	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	58%	30-130
Phenol-d5	59%	30-130
Nitrobenzene-d5	83%	30-130
2-Fluorobiphenyl	79%	30-130
2,4,6-Tribromophenol	74%	30-130
Terphenyl-d14	87%	30-130

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MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 12:33	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 5035A	File ID:	A8882.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:33
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	6.14	10.2	U
107-13-1	Acrylonitrile	ND	2.05	10.2	U
67-64-1	Acetone	1.17	1.02	2.05	J
75-71-8	Dichlorodifluoromethane	ND	1.02	2.05	U
74-87-3	Chloromethane	ND	1.02	2.05	U
75-01-4	Vinyl chloride	ND	1.02	2.05	U
74-83-9	Bromomethane	ND	1.02	2.05	U
75-00-3	Chloroethane	ND	1.02	2.05	U
75-69-4	Trichlorofluoromethane	ND	1.02	2.05	U
75-35-4	1,1-Dichloroethene	ND	1.02	2.05	U
75-15-0	Carbon disulfide	ND	1.02	2.05	U
75-09-2	Methylene Chloride	1.57	1.02	2.05	J, B
156-60-5	trans-1,2-Dichloroethene	ND	1.02	2.05	U
75-34-3	1,1-Dichloroethane	ND	1.02	2.05	U
108-05-4	Vinyl acetate	ND	1.02	2.05	U
590-20-7	2,2-Dichloropropane	ND	1.02	2.05	U
78-93-3	2-Butanone	ND	1.02	2.05	U
156-59-4	cis-1,2-Dichloroethene	ND	1.02	2.05	U
67-66-3	Chloroform	ND	1.02	2.05	U
74-97-5	Bromochloromethane	ND	1.02	2.05	U
71-55-6	1,1,1-Trichloroethane	ND	1.02	2.05	U
563-58-6	1,1-Dichloropropene	ND	1.02	2.05	U
56-23-5	Carbon Tetrachloride	ND	1.02	2.05	U
107-06-2	1,2-Dichloroethane	ND	1.02	2.05	U
71-43-2	Benzene	ND	1.02	2.05	U
79-01-6	Trichloroethene	ND	1.02	2.05	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 12:33	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 5035A	File ID:	A8882.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:33
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	1.02	2.05	U
75-27-4	Bromodichloromethane	ND	1.02	2.05	U
74-95-3	Dibromomethane	ND	1.02	2.05	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.02	2.05	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.02	2.05	U
108-88-3	Toluene	ND	1.02	2.05	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.02	2.05	U
79-00-5	1,1,2-Trichloroethane	ND	1.02	2.05	U
108-10-1	4-Methyl-2-pentanone	ND	1.02	2.05	U
106-93-4	1,2-Dibromoethane	ND	1.02	2.05	U
591-78-6	2-Hexanone	ND	1.02	2.05	U
142-28-9	1,3-Dichloropropane	ND	1.02	2.05	U
127-18-4	Tetrachloroethene	ND	1.02	2.05	U
124-48-1	Dibromochloromethane	ND	1.02	2.05	U
100-41-4	Ethylbenzene	ND	1.02	2.05	U
108-90-7	Chlorobenzene	ND	1.02	2.05	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.02	2.05	U
108-38-3/106-42	m,p-Xylenes	ND	2.05	4.09	U
95-47-6	o-Xylene	ND	2.05	4.09	U
100-42-5	Styrene	ND	1.02	4.09	U
75-25-2	Bromoform	ND	1.02	2.05	U
98-82-8	Isopropylbenzene	ND	1.02	2.05	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.02	2.05	U
96-18-4	1,2,3-Trichloropropane	ND	1.02	2.05	U
103-65-1	n-Propyl Benzene	ND	1.02	2.05	U
108-86-1	Bromobenzene	ND	1.02	2.05	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Prep Date:	08/02/16 12:33	Matrix:	Soil
Percent Solids:	85.10	Prep Method:	EPA 5035A	File ID:	A8882.D
Prep Batch:	B6H0217	Sequence:	S6H0203	Analyzed:	08/02/16 12:33
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	1.02	2.05	U
95-49-8	2-Chlorotoluene	ND	1.02	2.05	U
106-43-4	4-Chlorotoluene	ND	1.02	2.05	U
98-06-6	tert-Butylbenzene	ND	1.02	2.05	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.02	2.05	U
135-98-8	sec-Butylbenzene	ND	1.02	2.05	U
99-87-6	p-Isopropyltoluene	ND	1.02	2.05	U
541-73-1	1,3-Dichlorobenzene	ND	1.02	2.05	U
106-46-7	1,4-Dichlorobenzene	ND	1.02	2.05	U
104-51-8	n-Butyl Benzene	ND	1.02	2.05	U
95-50-1	1,2-Dichlorobenzene	ND	1.02	2.05	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.02	2.05	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.02	2.05	U
87-68-3	Hexachlorobutadiene	ND	1.02	2.05	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.02	2.05	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	106%	70-130
Toluene-d8	103%	70-130
Bromofluorobenzene	102%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Matrix:	Soil
Percent Solids:	85.10	File ID:	080216A-023

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	7880	15.7	15.7	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0881	0.0881	1	U	08/04/16 07:42	EPA 7471A	08/04/16 12:14 PRT	EPA 7471
7440-36-0	Antimony	ND	3.13	3.13	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-38-2	Arsenic	1.46	0.783	0.783	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-39-3	Barium	47.0	15.7	15.7	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.391	0.391	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.391	0.391	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-70-2	Calcium	5810	19.6	19.6	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-47-3	Chromium	15.3	1.57	1.57	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-48-4	Cobalt	6.79	3.91	3.91	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-50-8	Copper	16.9	2.35	2.35	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-89-6	Iron	12500	19.6	19.6	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-92-1	Lead	8.07	0.783	0.783	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-95-4	Magnesium	6980	39.1	39.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7439-96-5	Manganese	256	1.57	1.57	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-02-0	Nickel	13.3	3.13	3.13	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-09-7	Potassium	1800	39.1	39.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7782-49-2	Selenium	ND	3.13	3.13	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-22-4	Silver	ND	0.391	0.391	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-23-5	Sodium	130	39.1	39.1	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-28-0	Thallium	ND	1.17	2.35	1	U	08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-62-2	Vanadium	25.1	3.91	3.91	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010
7440-66-6	Zinc	40.3	4.70	4.70	1		08/02/16 08:51	EPA 3050B	08/02/16 14:38 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-23
Lab Sample ID: 1601448-01
Project: 255 East 138th Street
Work Order: 1601448

Date Sampled:	08/01/16 11:40	Matrix:	Soil
Percent Solids:	85.10	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	15.3	1.33	1.33	1		08/05/16 09:06	[CALC]	08/08/16 15:35 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.35	2.35	1	U	08/05/16 09:06	SW 846 3060A	08/08/16 15:35 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.18	1.18	1	U	08/03/16 11:12	EPA 9010C	08/03/16 17:08 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	85.1	0.100	0.100	1		08/03/16 11:00	Percent Solids	08/04/16 13:16 RMK	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

31 August 2016 AAR Work Order: 1601618

Sean Harrison
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 E. 138th Street

Enclosed are the results of analyses for samples received by the laboratory on 08/24/2016 14:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/31/2016 14:59

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-24	1601618-01	Soil	08/24/2016 12:10	08/24/2016 14:05

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/31/2016 14:59

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

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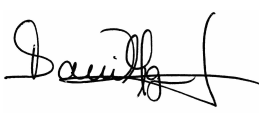

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

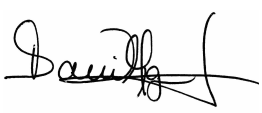
Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
08/31/2016 14:59

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
08/31/2016 14:59

Client ID: EP-24

Lab ID: 1601618-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	7.68	12.8	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.56	12.8	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
67-64-1	**Acetone**	**36.7**	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
78-93-3	**2-Butanone**	**8.23**	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
71-43-2	Benzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
08/31/2016 14:59

Client ID: EP-24

Lab ID: 1601618-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
108-88-3	Toluene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.56	5.12	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.56	5.12	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
100-42-5	Styrene	ND	1.28	5.12	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
08/31/2016 14:59

Client ID: EP-24

Lab ID: 1601618-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.28	2.56	ug/kg dry	1	08/25/16 17:17	08/25/16 17:17/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*100 %*	*70-130*		*08/25/16 17:17*	*08/25/16 17:17/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*106 %*	*70-130*		*08/25/16 17:17*	*08/25/16 17:17/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*91 %*	*70-130*		*08/25/16 17:17*	*08/25/16 17:17/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
108-95-2	Phenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
08/31/2016 14:59

Client ID: EP-24

Lab ID: 1601618-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
78-59-1	Isophorone	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	101	404	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	40.4	404	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/31/2016 14:59

Client ID: EP-24

Lab ID: 1601618-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
86-73-7	Fluorene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
120-12-7	Anthracene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
129-00-0	Pyrene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	101	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
218-01-9	Chrysene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	40.4	203	ug/kg dry	1	08/26/16 05:30	08/26/16 19:07/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*70 %*	*30-130*		*08/26/16 05:30*	*08/26/16 19:07/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*72 %*	*30-130*		*08/26/16 05:30*	*08/26/16 19:07/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*72 %*	*30-130*		*08/26/16 05:30*	*08/26/16 19:07/JMM*	*EPA 8270*	

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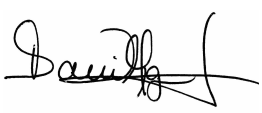


Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

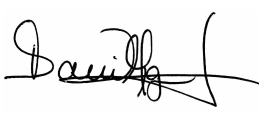
Reported:
08/31/2016 14:59

Client ID: EP-24

Lab ID: 1601618-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: 2-Fluorobiphenyl				*65 %*	*30-130*		*08/26/16 05:30*	*08/26/16 19:07/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*77 %*	*30-130*		*08/26/16 05:30*	*08/26/16 19:07/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*85 %*	*30-130*		*08/26/16 05:30*	*08/26/16 19:07/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.43	8.08	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.61	1.61	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.801	0.801	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	40.4	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
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Reported:
08/31/2016 14:59

Client ID: EP-24

Lab ID: 1601618-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	20.1	40.4	ug/kg dry	1	08/25/16 10:21	08/26/16 21:22/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*55.3 %*	*30-150*		*08/25/16 10:21*	*08/26/16 21:22/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*85.3 %*	*30-150*		*08/25/16 10:21*	*08/26/16 21:22/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*72.9 %*	*30-150*		*08/25/16 10:21*	*08/26/16 21:22/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*88.7 %*	*30-150*		*08/25/16 10:21*	*08/26/16 21:22/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**12600**	24.2	24.2	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-36-0	Antimony	ND	4.84	4.84	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	U
7440-38-2	**Arsenic**	**2.29**	1.21	1.21	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-39-3	**Barium**	**64.0**	24.2	24.2	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-41-7	Beryllium	ND	0.605	0.605	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	U
7440-43-9	Cadmium	ND	0.605	0.605	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	U
7440-70-2	**Calcium**	**1630**	30.2	30.2	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-47-3	**Chromium**	**15.5**	2.42	2.42	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-48-4	**Cobalt**	**6.61**	6.05	6.05	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-50-8	**Copper**	**10.1**	3.63	3.63	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7439-89-6	**Iron**	**14400**	30.2	30.2	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7439-92-1	**Lead**	**12.9**	1.21	1.21	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7439-95-4	**Magnesium**	**3030**	60.5	60.5	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7439-96-5	**Manganese**	**418**	2.42	2.42	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	08/31/2016 14:59

Client ID: EP-24

Lab ID: 1601618-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**12.4**	4.84	4.84	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-09-7	**Potassium**	**690**	60.5	60.5	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7782-49-2	Selenium	ND	4.84	4.84	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	U
7440-22-4	Silver	ND	0.605	0.605	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	U
7440-23-5	**Sodium**	**89.3**	60.5	60.5	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-28-0	Thallium	ND	1.81	3.63	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	U
7440-62-2	**Vanadium**	**21.1**	6.05	6.05	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
7440-66-6	**Zinc**	**41.4**	7.26	7.26	mg/kg dry	1	08/26/16 07:14	08/26/16 14:45/RMK	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.0910	0.0910	mg/kg dry	1	08/26/16 07:17	08/26/16 13:58/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**15.5**	1.99	1.99	mg/kg dry	1	08/26/16 08:47	08/27/16 13:36/NNM	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.21	1.21	mg/kg dry	1	08/29/16 11:48	08/29/16 17:06/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**82.4**	0.100	0.100	%	1	08/26/16 09:30	08/29/16 09:19/CLD	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.43	2.43	mg/kg dry	1	08/26/16 08:47	08/27/16 13:36/NNM	EPA 7196A	

Accredited Analytical Resources LLC

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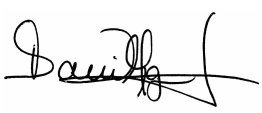

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ NY PA
PROJECT NAME:	255 E. 138th St.
CONTACT:	Sean Harrison
OFFICE PHONE #	(732) 223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	New Jersey
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1631618
P.O. #	10BR198

COLLECTION INFORMATION

ANALYSIS

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL/TCL	Hex Chrom	Tri. Chrom	AAR SAMPLE #
EP-24	8/24/16 1240	S	10-11'	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYS DEC Catagory B Data Deliverables. Hard copy due 4 weeks from today: 8/24/16

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN: Jonathan Kraus

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathan Kraus	Print Name: K. Muniz	Print Name:	Print Name:
Signature: Jonathan Kraus	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 8/24/16	Time: 1405	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601635

Client Sample ID:	Lab Sample ID:
EP-25	1601635-01

This data has been reviewed and accepted by:

Daniel Miguel 08/29/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

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Accredited Analytical Resources, LLC.

Methodology Summary

EPA Method SW846 8081/8082:
NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:
NJ 8270C
NY 8270D

Total Mercury by SW846 7471:
NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:
NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:
NJ 8260B
NY 8260C

Wet Chemistry:
Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street**
Work Order: **1601635**

Received: 8/24/16 14:05

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

CHAIN OF CUSTODY FORM

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

STATE AGENCY (CIRCLE ONE)	NJ NY PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	(732) 223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	BrinKerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	New Jersey
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1601635
P.O. #	10BRI88

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL/TCL	Hex Chrom	TCL Chrom	AAR SAMPLE #
EP-25	8/24/16 1040	S	7'-8'	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Category B Data Deliverables. Hard Copy due 4 weeks from today, 8/24/16. DO NOT RUN. Until authorized by email

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN: Jath L

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathan Kraus	Print Name: K. Muniz	Print Name:	Print Name:
Signature: Jath L	Signature: K. Muniz	Signature:	Signature:
Agent of: BrinKerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 8/24/16	Time: 1405	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Page 1 of ____

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ NY PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #:	(732) 223-2225
OFFICE FAX #:	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	New Jersey ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	
P.O. #	10BR188

ANALYSIS

PRES. CODE →
CONT. CODE →

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL/TCL	Hex Chrom	TCL Chrom	AAR SAMPLE #
EP-25	8/24/16 1040	SW		4	G	X	X	X	

Please analyze sample with a 48-hour TAT.
SH 8/25/2016

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER ____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER ____

TURNAROUND TIME: (CIRCLE ONE) STANDARD 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER ____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

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RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathan Kraus	Print Name: K Muniz	Print Name:	Print Name:
Signature:	Signature: K Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 8/24/16	Time: 1405	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-25	1601635-01	Soil	08/24/2016 10:40	08/24/2016 14:05

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

PEST/PCB

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 15:16	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B	File ID:	A22871.D
Prep Batch:	B6H2506	Sequence:	S6H2602	Analyzed:	08/26/16 16:00
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.724	0.724	U
319-85-7	beta-BHC	ND	0.724	0.724	U
319-86-8	delta-BHC	ND	0.724	0.724	U
58-89-9	gamma-BHC [Lindane]	ND	0.724	0.724	U
76-44-8	Heptachlor	ND	0.724	0.724	U
309-00-2	Aldrin	ND	0.724	0.724	U
1024-57-3	Heptachlor Epoxide	ND	0.724	0.724	U
959-98-8	Endosulfan I	ND	0.724	0.724	U
60-57-1	Dieldrin	ND	1.46	1.46	U
72-55-9	4,4'-DDE	ND	1.46	1.46	U
72-20-8	Endrin	ND	1.46	1.46	U
33213-65-9	Endosulfan II	ND	1.46	1.46	U
72-54-8	4,4'-DDD	ND	1.46	1.46	U
1031-07-8	Endosulfan sulfate	ND	1.46	1.46	U
50-29-3	4,4'-DDT	ND	1.46	1.46	U
72-43-5	Methoxychlor	ND	2.19	7.30	U
53494-70-5	Endrin ketone	ND	1.46	1.46	U
7421-93-4	Endrin aldehyde	ND	1.46	1.46	U
5103-71-9	alpha-Chlordane	ND	0.724	0.724	U
5566-34-7	gamma-Chlordane	ND	0.724	0.724	U
8001-35-2	Toxaphene	ND	36.5	36.5	U
12674-11-2	Aroclor-1016	ND	18.2	36.5	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 15:16	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B	File ID:	A22871.D
Prep Batch:	B6H2506	Sequence:	S6H2602	Analyzed:	08/26/16 16:00
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	18.2	36.5	U
11141-16-5	Aroclor-1232	ND	18.2	36.5	U
53469-21-9	Aroclor-1242	ND	18.2	36.5	U
12672-29-6	Aroclor-1248	ND	18.2	36.5	U
11097-69-1	Aroclor-1254	ND	18.2	36.5	U
11096-82-5	Aroclor-1260	ND	18.2	36.5	U
37324-23-5	Aroclor-1262	ND	18.2	36.5	U
11100-14-4	Aroclor-1268	ND	18.2	36.5	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	65.9%	30-150
Tetrachloro-m-xylene [2C]	78.2%	30-150
Decachlorobiphenyl	90.7%	30-150
Decachlorobiphenyl [2C]	98.3%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

SEMIVOLATILES

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B GCMS	File ID:	F14109.D
Prep Batch:	B6H2601	Sequence:	S6H2609	Analyzed:	08/26/16 18:21
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	36.5	183	U
108-95-2	Phenol	ND	36.5	183	U
111-44-4	bis(2-chloroethyl)ether	ND	36.5	183	U
95-57-8	2-Chlorophenol	ND	36.5	183	U
541-73-1	1,3-Dichlorobenzene	ND	36.5	183	U
106-46-7	1,4-Dichlorobenzene	ND	36.5	183	U
100-51-6	Benzyl alcohol	ND	36.5	183	U
95-50-1	1,2-Dichlorobenzene	ND	36.5	183	U
95-48-7	2-Methylphenol	ND	36.5	183	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	36.5	183	U
106-44-5	3 & 4-Methylphenol	ND	36.5	183	U
621-64-7	N-Nitroso-di-n-propylamine	ND	36.5	183	U
67-72-1	Hexachloroethane	ND	36.5	183	U
98-95-3	Nitrobenzene	ND	36.5	183	U
78-59-1	Isophorone	ND	36.5	183	U
88-75-5	2-Nitrophenol	ND	36.5	183	U
105-67-9	2,4-Dimethylphenol	ND	36.5	183	U
65-85-0	Benzoic acid	ND	91.0	365	U
111-91-1	bis(2-chloroethoxy)methane	ND	36.5	183	U
120-83-2	2,4-Dichlorophenol	ND	36.5	183	U
120-82-1	1,2,4-Trichlorobenzene	ND	36.5	183	U
91-20-3	Naphthalene	ND	36.5	183	U
106-47-8	4-Chloroaniline	ND	36.5	183	U
87-68-3	Hexachlorobutadiene	ND	36.5	183	U
59-50-7	4-Chloro-3-methylphenol	ND	36.5	183	U
91-57-6	2-Methylnaphthylene	ND	36.5	183	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B GCMS	File ID:	F14109.D
Prep Batch:	B6H2601	Sequence:	S6H2609	Analyzed:	08/26/16 18:21
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	36.5	183	U
88-06-2	2,4,6-Trichlorophenol	ND	36.5	183	U
95-95-4	2,4,5-Trichlorophenol	ND	36.5	183	U
91-58-7	2-Chloronaphthalene	ND	36.5	183	U
88-74-4	2-Nitroaniline	ND	36.5	183	U
131-11-3	Dimethylphthalate	ND	36.5	183	U
208-96-8	Acenaphthylene	ND	36.5	183	U
99-09-2	3-Nitroaniline	ND	36.5	183	U
83-32-9	Acenaphthene	ND	36.5	183	U
51-28-5	2,4-Dinitrophenol	ND	36.5	365	U
100-02-7	4-Nitrophenol	ND	36.5	183	U
132-64-9	Dibenzofuran	ND	36.5	183	U
606-20-2	2,6-Dinitrotoluene	ND	36.5	183	U
121-14-2	2,4-Dinitrotoluene	ND	36.5	183	U
84-66-2	Diethyl phthalate	ND	36.5	183	U
7005-72-3	4-Chlorophenyl-phenylether	ND	36.5	183	U
86-73-7	Fluorene	ND	36.5	183	U
100-01-6	4-Nitroaniline	ND	36.5	183	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	36.5	183	U
86-30-6	N-Nitrosodiphenylamine	ND	36.5	183	U
101-55-3	4-Bromophenyl-phenylether	ND	36.5	183	U
118-74-1	Hexachlorobenzene	ND	36.5	183	U
87-86-5	Pentachlorophenol	ND	36.5	183	U
85-01-8	Phenanthrene	ND	36.5	183	U
120-12-7	Anthracene	ND	36.5	183	U
84-74-2	Di-n-butyl phthalate	ND	36.5	183	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/26/16 05:30	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 3550B GCMS	File ID:	F14109.D
Prep Batch:	B6H2601	Sequence:	S6H2609	Analyzed:	08/26/16 18:21
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	ND	36.5	183	U
129-00-0	Pyrene	ND	36.5	183	U
85-68-7	Butylbenzylphthalate	ND	36.5	183	U
91-94-1	3,3'-Dichlorobenzidine	ND	91.0	183	U
56-55-3	Benzo[a]anthracene	ND	36.5	183	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	36.5	183	U
218-01-9	Chrysene	ND	36.5	183	U
117-84-0	Di-n-octyl phthalate	ND	36.5	183	U
205-99-2	Benzo[b]fluoranthene	ND	36.5	183	U
207-08-9	Benzo[k]fluoranthene	ND	36.5	183	U
50-32-8	Benzo[a]pyrene	ND	36.5	183	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36.5	183	U
53-70-3	Dibenzo(a,h)anthracene	ND	36.5	183	U
191-24-2	Benzo[ghi]perylene	ND	36.5	183	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	72%	30-130
Phenol-d5	76%	30-130
Nitrobenzene-d5	75%	30-130
2-Fluorobiphenyl	69%	30-130
2,4,6-Tribromophenol	75%	30-130
Terphenyl-d14	91%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 17:48	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 5035A	File ID:	A9226.D
Prep Batch:	B6H2515	Sequence:	S6H2507	Analyzed:	08/25/16 17:48
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	5.77	9.62	U
107-13-1	Acrylonitrile	ND	1.92	9.62	U
67-64-1	Acetone	ND	0.962	1.92	U
75-71-8	Dichlorodifluoromethane	ND	0.962	1.92	U
74-87-3	Chloromethane	ND	0.962	1.92	U
75-01-4	Vinyl chloride	ND	0.962	1.92	U
74-83-9	Bromomethane	ND	0.962	1.92	U
75-00-3	Chloroethane	ND	0.962	1.92	U
75-69-4	Trichlorofluoromethane	ND	0.962	1.92	U
75-35-4	1,1-Dichloroethene	ND	0.962	1.92	U
75-15-0	Carbon disulfide	ND	0.962	1.92	U
75-09-2	Methylene Chloride	ND	0.962	1.92	U
156-60-5	trans-1,2-Dichloroethene	ND	0.962	1.92	U
75-34-3	1,1-Dichloroethane	ND	0.962	1.92	U
108-05-4	Vinyl acetate	ND	0.962	1.92	U
590-20-7	2,2-Dichloropropane	ND	0.962	1.92	U
78-93-3	2-Butanone	ND	0.962	1.92	U
156-59-4	cis-1,2-Dichloroethene	ND	0.962	1.92	U
67-66-3	Chloroform	ND	0.962	1.92	U
74-97-5	Bromochloromethane	ND	0.962	1.92	U
71-55-6	1,1,1-Trichloroethane	ND	0.962	1.92	U
563-58-6	1,1-Dichloropropene	ND	0.962	1.92	U
56-23-5	Carbon Tetrachloride	ND	0.962	1.92	U
107-06-2	1,2-Dichloroethane	ND	0.962	1.92	U
71-43-2	Benzene	ND	0.962	1.92	U
79-01-6	Trichloroethene	ND	0.962	1.92	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 17:48	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 5035A	File ID:	A9226.D
Prep Batch:	B6H2515	Sequence:	S6H2507	Analyzed:	08/25/16 17:48
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	0.962	1.92	U
75-27-4	Bromodichloromethane	ND	0.962	1.92	U
74-95-3	Dibromomethane	ND	0.962	1.92	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.962	1.92	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.962	1.92	U
108-88-3	Toluene	ND	0.962	1.92	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.962	1.92	U
79-00-5	1,1,2-Trichloroethane	ND	0.962	1.92	U
108-10-1	4-Methyl-2-pentanone	ND	0.962	1.92	U
106-93-4	1,2-Dibromoethane	ND	0.962	1.92	U
591-78-6	2-Hexanone	ND	0.962	1.92	U
142-28-9	1,3-Dichloropropane	ND	0.962	1.92	U
127-18-4	Tetrachloroethene	ND	0.962	1.92	U
124-48-1	Dibromochloromethane	ND	0.962	1.92	U
100-41-4	Ethylbenzene	ND	0.962	1.92	U
108-90-7	Chlorobenzene	ND	0.962	1.92	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.962	1.92	U
108-38-3/106-42	m,p-Xylenes	ND	1.92	3.85	U
95-47-6	o-Xylene	ND	1.92	3.85	U
100-42-5	Styrene	ND	0.962	3.85	U
75-25-2	Bromoform	ND	0.962	1.92	U
98-82-8	Isopropylbenzene	ND	0.962	1.92	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.962	1.92	U
96-18-4	1,2,3-Trichloropropane	ND	0.962	1.92	U
103-65-1	n-Propyl Benzene	ND	0.962	1.92	U
108-86-1	Bromobenzene	ND	0.962	1.92	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Prep Date:	08/25/16 17:48	Matrix:	Soil
Percent Solids:	91.20	Prep Method:	EPA 5035A	File ID:	A9226.D
Prep Batch:	B6H2515	Sequence:	S6H2507	Analyzed:	08/25/16 17:48
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	0.962	1.92	U
95-49-8	2-Chlorotoluene	ND	0.962	1.92	U
106-43-4	4-Chlorotoluene	ND	0.962	1.92	U
98-06-6	tert-Butylbenzene	ND	0.962	1.92	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.962	1.92	U
135-98-8	sec-Butylbenzene	ND	0.962	1.92	U
99-87-6	p-Isopropyltoluene	ND	0.962	1.92	U
541-73-1	1,3-Dichlorobenzene	ND	0.962	1.92	U
106-46-7	1,4-Dichlorobenzene	ND	0.962	1.92	U
104-51-8	n-Butyl Benzene	ND	0.962	1.92	U
95-50-1	1,2-Dichlorobenzene	ND	0.962	1.92	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.962	1.92	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.962	1.92	U
87-68-3	Hexachlorobutadiene	ND	0.962	1.92	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.962	1.92	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	104%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	86%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Matrix:	Soil
Percent Solids:	91.20	File ID:	082616E-035

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	5240	21.8	21.8	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-97-6	Mercury	ND	0.0822	0.0822	1	U	08/26/16 07:17	EPA 7471A	08/26/16 14:09 PRT	EPA 7471
7440-36-0	Antimony	ND	4.36	4.36	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-38-2	Arsenic	5.48	1.09	1.09	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-39-3	Barium	37.7	21.8	21.8	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-41-7	Beryllium	ND	0.545	0.545	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-43-9	Cadmium	ND	0.545	0.545	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-70-2	Calcium	43000	27.2	27.2	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-47-3	Chromium	9.20	2.18	2.18	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-48-4	Cobalt	ND	5.45	5.45	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-50-8	Copper	16.2	3.27	3.27	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-89-6	Iron	7740	27.2	27.2	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-92-1	Lead	11.6	1.09	1.09	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-95-4	Magnesium	10700	54.5	54.5	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7439-96-5	Manganese	216	2.18	2.18	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-02-0	Nickel	7.17	4.36	4.36	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-09-7	Potassium	1500	54.5	54.5	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7782-49-2	Selenium	ND	4.36	4.36	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-22-4	Silver	ND	0.545	0.545	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-23-5	Sodium	147	54.5	54.5	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-28-0	Thallium	ND	1.63	3.27	1	U	08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-62-2	Vanadium	17.1	5.45	5.45	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010
7440-66-6	Zinc	31.6	6.54	6.54	1		08/26/16 07:14	EPA 3050B	08/26/16 15:26 RMK	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-25
Lab Sample ID: 1601635-01
Project: 255 East 138th Street
Work Order: 1601635

Date Sampled:	08/24/16 10:40	Matrix:	Soil
Percent Solids:	91.20	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	9.20	1.99	1.99	1		08/26/16 08:47	[CALC]	08/27/16 13:36 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.19	2.19	1	U	08/26/16 08:47	SW 846 3060A	08/27/16 13:36 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.10	1.10	1	U	08/29/16 11:48	EPA 9010C	08/29/16 17:06 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	91.2	0.100	0.100	1		08/26/16 08:30	Percent Solids	08/29/16 09:23 RMK	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

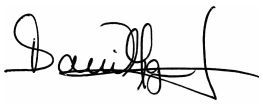
Accredited Analytical Resources, LLC.

08 September 2016 AAR Work Order: 1601673

Sean Harrison
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 East 138th Street

Enclosed are the results of analyses for samples received by the laboratory on 08/31/2016 14:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/08/2016 11:16

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-26	1601673-01	Soil	08/31/2016 08:56	08/31/2016 14:20

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/08/2016 11:16

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

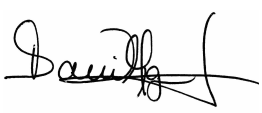
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/08/2016 11:16

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/08/2016 11:16

Client ID: EP-26

Lab ID: 1601673-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.80	11.3	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.27	11.3	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
67-64-1	**Acetone**	**4.37**	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	B
75-71-8	Dichlorodifluoromethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
71-43-2	Benzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/08/2016 11:16

Client ID: EP-26

Lab ID: 1601673-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
108-88-3	Toluene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.27	4.53	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.27	4.53	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
100-42-5	Styrene	ND	1.13	4.53	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/08/2016 11:16

Client ID: EP-26

Lab ID: 1601673-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
95-63-6	1,2,4-Trimethylbenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.13	2.27	ug/kg dry	1	09/02/16 14:48	09/02/16 14:48/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*111 %*	*70-130*		*09/02/16 14:48*	*09/02/16 14:48/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*98 %*	*70-130*		*09/02/16 14:48*	*09/02/16 14:48/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*86 %*	*70-130*		*09/02/16 14:48*	*09/02/16 14:48/SG*	*EPA 8260*	

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method:EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
108-95-2	Phenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/08/2016 11:16

Client ID: EP-26

Lab ID: 1601673-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
78-59-1	Isophorone	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	95.2	382	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	38.2	382	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/08/2016 11:16

Client ID: EP-26

Lab ID: 1601673-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
7005-72-3	4-Chlorophenyl-phenylether	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
86-73-7	Fluorene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**361**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	
120-12-7	**Anthracene**	**80.7**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**509**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	
129-00-0	**Pyrene**	**565**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	95.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**254**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	
117-81-7	bis(2-ethylhexyl)phthalate	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
218-01-9	**Chrysene**	**265**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	
117-84-0	Di-n-octyl phthalate	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**269**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	
207-08-9	**Benzo[k]fluoranthene**	**133**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	J
50-32-8	**Benzo[a]pyrene**	**237**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**86.8**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	J
53-70-3	Dibenzo(a,h)anthracene	ND	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	U
191-24-2	**Benzo[ghi]perylene**	**95.6**	38.2	192	ug/kg dry	1	09/01/16 07:24	09/01/16 21:54/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*61 %*	*30-130*		*09/01/16 07:24*	*09/01/16 21:54/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*74 %*	*30-130*		*09/01/16 07:24*	*09/01/16 21:54/JMM*	*EPA 8270*	

Accredited Analytical Resources LLC

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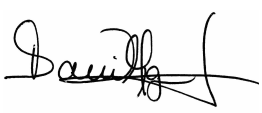

Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/08/2016 11:16

Client ID: EP-26

Lab ID: 1601673-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Nitrobenzene-d5				*80 %*	*30-130*		*09/01/16 07:24*	*09/01/16 21:54/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*74 %*	*30-130*		*09/01/16 07:24*	*09/01/16 21:54/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*26 %*	*30-130*	*	*09/01/16 07:24*	*09/01/16 21:54/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*88 %*	*30-130*		*09/01/16 07:24*	*09/01/16 21:54/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.29	7.64	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.53	1.53	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
5103-71-9	**alpha-Chlordane**	**0.917**	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	
5566-34-7	gamma-Chlordane	ND	0.757	0.757	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	38.2	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

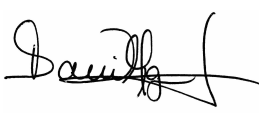
Reported:
09/08/2016 11:16

Client ID: EP-26

Lab ID: 1601673-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11104-28-2	Aroclor-1221	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	19.0	38.2	ug/kg dry	1	09/06/16 05:29	09/06/16 15:02/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*55.5 %*	*30-150*		*09/06/16 05:29*	*09/06/16 15:02/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*61.9 %*	*30-150*		*09/06/16 05:29*	*09/06/16 15:02/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*63.7 %*	*30-150*		*09/06/16 05:29*	*09/06/16 15:02/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*83.8 %*	*30-150*		*09/06/16 05:29*	*09/06/16 15:02/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8250**	22.9	22.9	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-36-0	Antimony	ND	4.59	4.59	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.62**	1.15	1.15	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-39-3	**Barium**	**57.5**	22.9	22.9	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.573	0.573	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	U
7440-43-9	Cadmium	ND	0.573	0.573	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	U
7440-70-2	**Calcium**	**16300**	28.7	28.7	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-47-3	**Chromium**	**15.8**	2.29	2.29	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-48-4	**Cobalt**	**7.86**	5.73	5.73	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-50-8	**Copper**	**32.7**	3.44	3.44	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7439-89-6	**Iron**	**16800**	28.7	28.7	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7439-92-1	**Lead**	**62.8**	1.15	1.15	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7439-95-4	**Magnesium**	**7840**	57.3	57.3	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/08/2016 11:16

Client ID: EP-26

Lab ID: 1601673-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-96-5	**Manganese**	**295**	2.29	2.29	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-02-0	**Nickel**	**13.7**	4.59	4.59	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-09-7	**Potassium**	**1560**	57.3	57.3	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7782-49-2	Selenium	ND	4.59	4.59	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.573	0.573	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	U
7440-23-5	**Sodium**	**228**	57.3	57.3	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.72	3.44	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**23.3**	5.73	5.73	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
7440-66-6	**Zinc**	**71.8**	6.88	6.88	mg/kg dry	1	09/02/16 12:56	09/06/16 15:22/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.0860	0.0860	mg/kg dry	1	09/01/16 12:18	09/02/16 10:44/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**15.8**	2.00	2.00	mg/kg dry	1	09/06/16 12:10	09/07/16 14:37/NNM	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.15	1.15	mg/kg dry	1	08/31/16 15:24	09/07/16 10:28/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**87.2**	0.100	0.100	%	1	09/01/16 13:50	09/02/16 10:53/KMC	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.29	2.29	mg/kg dry	1	09/06/16 12:10	09/07/16 14:37/NNM	EPA 7196A	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	(732)223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	New Jersey ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1601673
P.O. #	10BR188

ANALYSIS

PRES. CODE →
CONT. CODE →

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL/TCL	Hex Chrom	Tri Chrom	AAR SAMPLE #
EP-26	8/31/16 0856	S	4-4	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE

PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Category B Data Deliverables. Hard Copy report due four (4) weeks from today

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathon Kraus SIGN: [signature]

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathon Kraus	Print Name: K. Muniz	Print Name:	Print Name:
Signature: [signature]	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 8 / 31 / 16	Time: 1400	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601701

Client Sample ID:	Lab Sample ID:
EP-27	1601701-01

This data has been reviewed and accepted by:

Daniel Miguel 09/12/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

Methodology Summary

EPA Method SW846 8081/8082:
NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:
NJ 8270C
NY 8270D

Total Mercury by SW846 7471:
NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:
NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:
NJ 8260B
NY 8260C

Wet Chemistry:
Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources, LLC.

Internal Chain of Custody

1601701-01 (A)	*Out*	*In*
START	9/7/16 15:14 by KI	9/7/16 15:14 by KI
1601701-01 (B)	*Out*	*In*
START	9/7/16 15:14 by KI	9/7/16 15:14 by KI
1601701-01 (C)	*Out*	*In*
START	9/7/16 15:14 by KI	9/7/16 15:14 by KI
Wets	9/8/16 12:22 by KMC	9/8/16 12:51 by KMC
Extractions	9/9/16 5:28 by ECS	9/9/16 6:53 by ECS
1601701-01 (D)	*Out*	*In*
START	9/7/16 15:14 by KI	9/7/16 15:14 by KI
Metals	9/9/16 9:03 by LIT	9/9/16 9:32 by LIT
Walk-In Storage	9/9/16 9:32 by PRT	9/9/16 10:32 by PRT
Wets	9/12/16 9:20 by NNM	by NNM

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street**
Work Order: **1601701**

Received: 9/7/16 14:15

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	(732) 223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	Sharrison@brinkenv.com
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1505 Atlantic Ave
CITY:	Manasquan
STATE:	New Jersey
ZIP:	07756

AAR QUOTE #	
AAR WORK ORDER #	1601701
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL/TCL	Hex Chrom	Tri Chrom	AAR SAMPLE #
EP-27	9/6/16 1247	S	16'	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE)	STANDARD	5 DAY	72 HRS.	48 HRS.	24 HRS.	OTHER 36 hr JK 9/7/16
			(IF BLANK STANDARD WILL APPLY)			
REPORT TYPE:	RESULTS ONLY ____	REDUCED ____	FULL X	EDD ____	EXCEL SPREADSHEET ____	

COMMENTS: NYS DEC Catagory B Data Deliverables. Hard Copy report due 4 weeks from today. COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Jonathan Kraus SIGN:

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Jonathan Kraus	Print Name: B. O'Gara	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 9 / 7 / 16	Time: 14:15	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

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Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-27	1601701-01	Soil	09/06/2016 12:47	09/07/2016 14:15

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

PEST/PCB

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:25	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B	File ID:	A23027.D
Prep Batch:	B6I0902	Sequence:	S6I0901	Analyzed:	09/09/16 17:09
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.900	0.900	U
319-85-7	beta-BHC	ND	0.900	0.900	U
319-86-8	delta-BHC	ND	0.900	0.900	U
58-89-9	gamma-BHC [Lindane]	ND	0.900	0.900	U
76-44-8	Heptachlor	ND	0.900	0.900	U
309-00-2	Aldrin	ND	0.900	0.900	U
1024-57-3	Heptachlor Epoxide	ND	0.900	0.900	U
959-98-8	Endosulfan I	ND	0.900	0.900	U
60-57-1	Dieldrin	ND	1.81	1.81	U
72-55-9	4,4'-DDE	ND	1.81	1.81	U
72-20-8	Endrin	ND	1.81	1.81	U
33213-65-9	Endosulfan II	ND	1.81	1.81	U
72-54-8	4,4'-DDD	ND	1.81	1.81	U
1031-07-8	Endosulfan sulfate	ND	1.81	1.81	U
50-29-3	4,4'-DDT	ND	1.81	1.81	U
72-43-5	Methoxychlor	ND	2.73	9.09	U
53494-70-5	Endrin ketone	ND	1.81	1.81	U
7421-93-4	Endrin aldehyde	ND	1.81	1.81	U
5103-71-9	alpha-Chlordane	ND	0.900	0.900	U
5566-34-7	gamma-Chlordane	ND	0.900	0.900	U
8001-35-2	Toxaphene	ND	45.4	45.4	U
12674-11-2	Aroclor-1016	ND	22.6	45.4	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:25	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B	File ID:	A23027.D
Prep Batch:	B6I0902	Sequence:	S6I0901	Analyzed:	09/09/16 17:09
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	22.6	45.4	U
11141-16-5	Aroclor-1232	ND	22.6	45.4	U
53469-21-9	Aroclor-1242	ND	22.6	45.4	U
12672-29-6	Aroclor-1248	ND	22.6	45.4	U
11097-69-1	Aroclor-1254	ND	22.6	45.4	U
11096-82-5	Aroclor-1260	ND	22.6	45.4	U
37324-23-5	Aroclor-1262	ND	22.6	45.4	U
11100-14-4	Aroclor-1268	ND	22.6	45.4	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	56.7%	30-150
Tetrachloro-m-xylene [2C]	69.5%	30-150
Decachlorobiphenyl	72.4%	30-150
Decachlorobiphenyl [2C]	84.0%	30-150

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Accredited Analytical Resources, LLC.

SEMIVOLATILES

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:22	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B GCMS	File ID:	F14237.D
Prep Batch:	B6I0901	Sequence:	S6I0915	Analyzed:	09/09/16 23:17
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	45.4	228	U
108-95-2	Phenol	ND	45.4	228	U
111-44-4	bis(2-chloroethyl)ether	ND	45.4	228	U
95-57-8	2-Chlorophenol	ND	45.4	228	U
541-73-1	1,3-Dichlorobenzene	ND	45.4	228	U
106-46-7	1,4-Dichlorobenzene	ND	45.4	228	U
100-51-6	Benzyl alcohol	ND	45.4	228	U
95-50-1	1,2-Dichlorobenzene	ND	45.4	228	U
95-48-7	2-Methylphenol	ND	45.4	228	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	45.4	228	U
106-44-5	3 & 4-Methylphenol	ND	45.4	228	U
621-64-7	N-Nitroso-di-n-propylamine	ND	45.4	228	U
67-72-1	Hexachloroethane	ND	45.4	228	U
98-95-3	Nitrobenzene	ND	45.4	228	U
78-59-1	Isophorone	ND	45.4	228	U
88-75-5	2-Nitrophenol	ND	45.4	228	U
105-67-9	2,4-Dimethylphenol	ND	45.4	228	U
65-85-0	Benzoic acid	ND	113	454	U
111-91-1	bis(2-chloroethoxy)methane	ND	45.4	228	U
120-83-2	2,4-Dichlorophenol	ND	45.4	228	U
120-82-1	1,2,4-Trichlorobenzene	ND	45.4	228	U
91-20-3	Naphthalene	ND	45.4	228	U
106-47-8	4-Chloroaniline	ND	45.4	228	U
87-68-3	Hexachlorobutadiene	ND	45.4	228	U
59-50-7	4-Chloro-3-methylphenol	ND	45.4	228	U
91-57-6	2-Methylnaphthylene	ND	45.4	228	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:22	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B GCMS	File ID:	F14237.D
Prep Batch:	B6I0901	Sequence:	S6I0915	Analyzed:	09/09/16 23:17
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	45.4	228	U
88-06-2	2,4,6-Trichlorophenol	ND	45.4	228	U
95-95-4	2,4,5-Trichlorophenol	ND	45.4	228	U
91-58-7	2-Chloronaphthalene	ND	45.4	228	U
88-74-4	2-Nitroaniline	ND	45.4	228	U
131-11-3	Dimethylphthalate	ND	45.4	228	U
208-96-8	Acenaphthylene	ND	45.4	228	U
99-09-2	3-Nitroaniline	ND	45.4	228	U
83-32-9	Acenaphthene	ND	45.4	228	U
51-28-5	2,4-Dinitrophenol	ND	45.4	454	U
100-02-7	4-Nitrophenol	ND	45.4	228	U
132-64-9	Dibenzofuran	ND	45.4	228	U
606-20-2	2,6-Dinitrotoluene	ND	45.4	228	U
121-14-2	2,4-Dinitrotoluene	ND	45.4	228	U
84-66-2	Diethyl phthalate	ND	45.4	228	U
7005-72-3	4-Chlorophenyl-phenylether	ND	45.4	228	U
86-73-7	Fluorene	ND	45.4	228	U
100-01-6	4-Nitroaniline	ND	45.4	228	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	45.4	228	U
86-30-6	N-Nitrosodiphenylamine	ND	45.4	228	U
101-55-3	4-Bromophenyl-phenylether	ND	45.4	228	U
118-74-1	Hexachlorobenzene	ND	45.4	228	U
87-86-5	Pentachlorophenol	ND	45.4	228	U
85-01-8	Phenanthrene	118	45.4	228	J
120-12-7	Anthracene	ND	45.4	228	U
84-74-2	Di-n-butyl phthalate	ND	45.4	228	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/09/16 05:22	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 3550B GCMS	File ID:	F14237.D
Prep Batch:	B6I0901	Sequence:	S6I0915	Analyzed:	09/09/16 23:17
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	178	45.4	228	J
129-00-0	Pyrene	162	45.4	228	J
85-68-7	Butylbenzylphthalate	ND	45.4	228	U
91-94-1	3,3'-Dichlorobenzidine	ND	113	228	U
56-55-3	Benzo[a]anthracene	84.6	45.4	228	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	45.4	228	U
218-01-9	Chrysene	94.1	45.4	228	J
117-84-0	Di-n-octyl phthalate	ND	45.4	228	U
205-99-2	Benzo[b]fluoranthene	99.6	45.4	228	J
207-08-9	Benzo[k]fluoranthene	ND	45.4	228	U
50-32-8	Benzo[a]pyrene	77.3	45.4	228	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	45.4	228	U
53-70-3	Dibenzo(a,h)anthracene	ND	45.4	228	U
191-24-2	Benzo[ghi]perylene	ND	45.4	228	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	93%	30-130
Phenol-d5	92%	30-130
Nitrobenzene-d5	52%	30-130
2-Fluorobiphenyl	51%	30-130
2,4,6-Tribromophenol	94%	30-130
Terphenyl-d14	92%	30-130

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Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/08/16 15:03	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 5035A	File ID:	A9386.D
Prep Batch:	B6I0815	Sequence:	S6I0807	Analyzed:	09/08/16 15:03
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	8.42	14.0	U
107-13-1	Acrylonitrile	ND	2.81	14.0	U
67-64-1	Acetone	8.27	1.40	2.81	
75-71-8	Dichlorodifluoromethane	ND	1.40	2.81	U
74-87-3	Chloromethane	ND	1.40	2.81	U
75-01-4	Vinyl chloride	ND	1.40	2.81	U
74-83-9	Bromomethane	ND	1.40	2.81	U
75-00-3	Chloroethane	ND	1.40	2.81	U
75-69-4	Trichlorofluoromethane	ND	1.40	2.81	U
75-35-4	1,1-Dichloroethene	ND	1.40	2.81	U
75-15-0	Carbon disulfide	ND	1.40	2.81	U
75-09-2	Methylene Chloride	ND	1.40	2.81	U
156-60-5	trans-1,2-Dichloroethene	ND	1.40	2.81	U
75-34-3	1,1-Dichloroethane	ND	1.40	2.81	U
108-05-4	Vinyl acetate	ND	1.40	2.81	U
590-20-7	2,2-Dichloropropane	ND	1.40	2.81	U
78-93-3	2-Butanone	ND	1.40	2.81	U
156-59-4	cis-1,2-Dichloroethene	ND	1.40	2.81	U
67-66-3	Chloroform	ND	1.40	2.81	U
74-97-5	Bromochloromethane	ND	1.40	2.81	U
71-55-6	1,1,1-Trichloroethane	ND	1.40	2.81	U
563-58-6	1,1-Dichloropropene	ND	1.40	2.81	U
56-23-5	Carbon Tetrachloride	ND	1.40	2.81	U
107-06-2	1,2-Dichloroethane	ND	1.40	2.81	U
71-43-2	Benzene	ND	1.40	2.81	U
79-01-6	Trichloroethene	ND	1.40	2.81	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/08/16 15:03	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 5035A	File ID:	A9386.D
Prep Batch:	B6I0815	Sequence:	S6I0807	Analyzed:	09/08/16 15:03
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	1.40	2.81	U
75-27-4	Bromodichloromethane	ND	1.40	2.81	U
74-95-3	Dibromomethane	ND	1.40	2.81	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.40	2.81	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.40	2.81	U
108-88-3	Toluene	ND	1.40	2.81	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.40	2.81	U
79-00-5	1,1,2-Trichloroethane	ND	1.40	2.81	U
108-10-1	4-Methyl-2-pentanone	ND	1.40	2.81	U
106-93-4	1,2-Dibromoethane	ND	1.40	2.81	U
591-78-6	2-Hexanone	ND	1.40	2.81	U
142-28-9	1,3-Dichloropropane	ND	1.40	2.81	U
127-18-4	Tetrachloroethene	ND	1.40	2.81	U
124-48-1	Dibromochloromethane	ND	1.40	2.81	U
100-41-4	Ethylbenzene	ND	1.40	2.81	U
108-90-7	Chlorobenzene	ND	1.40	2.81	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.40	2.81	U
108-38-3/106-42	m,p-Xylenes	ND	2.81	5.61	U
95-47-6	o-Xylene	ND	2.81	5.61	U
100-42-5	Styrene	ND	1.40	5.61	U
75-25-2	Bromoform	ND	1.40	2.81	U
98-82-8	Isopropylbenzene	ND	1.40	2.81	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.40	2.81	U
96-18-4	1,2,3-Trichloropropane	ND	1.40	2.81	U
103-65-1	n-Propyl Benzene	ND	1.40	2.81	U
108-86-1	Bromobenzene	ND	1.40	2.81	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Prep Date:	09/08/16 15:03	Matrix:	Soil
Percent Solids:	73.30	Prep Method:	EPA 5035A	File ID:	A9386.D
Prep Batch:	B6I0815	Sequence:	S6I0807	Analyzed:	09/08/16 15:03
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	1.40	2.81	U
95-49-8	2-Chlorotoluene	ND	1.40	2.81	U
106-43-4	4-Chlorotoluene	ND	1.40	2.81	U
98-06-6	tert-Butylbenzene	ND	1.40	2.81	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.40	2.81	U
135-98-8	sec-Butylbenzene	ND	1.40	2.81	U
99-87-6	p-Isopropyltoluene	ND	1.40	2.81	U
541-73-1	1,3-Dichlorobenzene	ND	1.40	2.81	U
106-46-7	1,4-Dichlorobenzene	ND	1.40	2.81	U
104-51-8	n-Butyl Benzene	ND	1.40	2.81	U
95-50-1	1,2-Dichlorobenzene	ND	1.40	2.81	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.40	2.81	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.40	2.81	U
87-68-3	Hexachlorobutadiene	ND	1.40	2.81	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.40	2.81	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	109%	70-130
Toluene-d8	95%	70-130
Bromofluorobenzene	89%	70-130

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Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled:	09/06/16 12:47	Matrix:	Soil
Percent Solids:	73.30	File ID:	091216A-017

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	10600	20.2	20.2	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-97-6	Mercury	0.164	0.102	0.102	1		09/09/16 09:31	EPA 7471A	09/09/16 12:07 PRT	EPA 7471
7440-36-0	Antimony	ND	4.04	4.04	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-38-2	Arsenic	2.53	1.01	1.01	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-39-3	Barium	58.5	20.2	20.2	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.505	0.505	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-43-9	Cadmium	0.890	0.505	0.505	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-70-2	Calcium	11800	25.2	25.2	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-47-3	Chromium	17.0	2.02	2.02	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-48-4	Cobalt	8.34	5.05	5.05	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-50-8	Copper	18.9	3.03	3.03	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-89-6	Iron	15200	25.2	25.2	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-92-1	Lead	31.0	1.01	1.01	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-95-4	Magnesium	8860	50.5	50.5	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7439-96-5	Manganese	473	2.02	2.02	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-02-0	Nickel	14.1	4.04	4.04	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-09-7	Potassium	1410	50.5	50.5	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7782-49-2	Selenium	ND	4.04	4.04	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-22-4	Silver	ND	0.505	0.505	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-23-5	Sodium	201	50.5	50.5	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-28-0	Thallium	ND	1.51	3.03	1	U	09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-62-2	Vanadium	25.6	5.05	5.05	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010
7440-66-6	Zinc	55.1	6.06	6.06	1		09/09/16 09:42	EPA 3050B	09/12/16 11:37 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-27
Lab Sample ID: 1601701-01
Project: 255 East 138th Street
Work Order: 1601701

Date Sampled: 09/06/16 12:47 Matrix: Soil
Percent Solids: 73.30 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	17.0	1.48	1.48	1		09/12/16 09:31	[CALC]	09/12/16 17:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.73	2.73	1	U	09/12/16 09:31	SW 846 3060A	09/12/16 17:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.36	1.36	1	U	09/12/16 09:24	EPA 9010C	09/12/16 15:07 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	73.3	0.100	0.100	1		09/08/16 12:20	Percent Solids	09/09/16 09:44 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

16 September 2016 AAR Work Order: 1601734

Sean Harrison
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 East 138th Street

Enclosed are the results of analyses for samples received by the laboratory on 09/09/2016 14:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 08:20

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-28	1601734-01	Soil	09/09/2016 09:30	09/09/2016 14:20

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 08:20

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

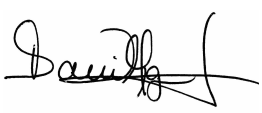
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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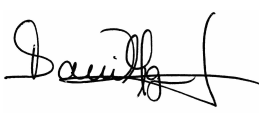
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 08:20

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 08:20

Client ID: EP-28

Lab ID: 1601734-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	7.28	12.1	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.43	12.1	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
67-64-1	**Acetone**	**60.8**	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
78-93-3	**2-Butanone**	**17.1**	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
71-43-2	Benzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 08:20

Client ID: EP-28

Lab ID: 1601734-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
108-88-3	Toluene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.43	4.85	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.43	4.85	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
100-42-5	Styrene	ND	1.21	4.85	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 08:20

Client ID: EP-28

Lab ID: 1601734-01 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.21	2.43	ug/kg dry	1	09/09/16 20:19	09/09/16 20:19/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*109 %*	*70-130*		*09/09/16 20:19*	*09/09/16 20:19/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*97 %*	*70-130*		*09/09/16 20:19*	*09/09/16 20:19/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*86 %*	*70-130*		*09/09/16 20:19*	*09/09/16 20:19/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
108-95-2	Phenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 08:20

Client ID: EP-28

Lab ID: 1601734-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
78-59-1	Isophorone	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	97.3	390	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	39.0	390	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 08:20

Client ID: EP-28

Lab ID: 1601734-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
86-73-7	Fluorene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
85-01-8	Phenanthrene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
120-12-7	Anthracene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
84-74-2	Di-n-butyl phthalate	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
206-44-0	Fluoranthene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
129-00-0	Pyrene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
85-68-7	Butylbenzylphthalate	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	97.3	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
56-55-3	Benzo[a]anthracene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
218-01-9	Chrysene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
117-84-0	Di-n-octyl phthalate	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
205-99-2	Benzo[b]fluoranthene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
207-08-9	Benzo[k]fluoranthene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
50-32-8	Benzo[a]pyrene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
53-70-3	Dibenzo(a,h)anthracene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
191-24-2	Benzo[ghi]perylene	ND	39.0	196	ug/kg dry	1	09/12/16 05:32	09/12/16 18:09/JMM	EPA 8270	U
Surrogate: 2-Fluorophenol				*73 %*	*30-130*		*09/12/16 05:32*	*09/12/16 18:09/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*73 %*	*30-130*		*09/12/16 05:32*	*09/12/16 18:09/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*77 %*	*30-130*		*09/12/16 05:32*	*09/12/16 18:09/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 08:20

Client ID: EP-28

Lab ID: 1601734-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Surrogate: 2-Fluorobiphenyl	*68 %*	*30-130*		*09/12/16 05:32*	*09/12/16 18:09/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol	*75 %*	*30-130*		*09/12/16 05:32*	*09/12/16 18:09/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14	*102 %*	*30-130*		*09/12/16 05:32*	*09/12/16 18:09/JMM*	*EPA 8270*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3550B

319-84-6	alpha-BHC	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.34	7.81	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.56	1.56	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.774	0.774	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	39.0	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U

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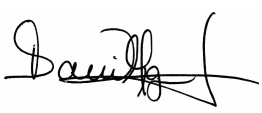

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 08:20

Client ID: EP-28

Lab ID: 1601734-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
EPA Method SW846 8081/8082										
11141-16-5	Aroclor-1232	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	19.5	39.0	ug/kg dry	1	09/12/16 05:36	09/12/16 14:30/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*73.3 %*	*30-150*		*09/12/16 05:36*	*09/12/16 14:30/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*84.5 %*	*30-150*		*09/12/16 05:36*	*09/12/16 14:30/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*91.0 %*	*30-150*		*09/12/16 05:36*	*09/12/16 14:30/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*99.0 %*	*30-150*		*09/12/16 05:36*	*09/12/16 14:30/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**11500**	19.3	19.3	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-36-0	Antimony	ND	3.87	3.87	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.32**	0.967	0.967	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-39-3	**Barium**	**57.3**	19.3	19.3	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.484	0.484	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	U
7440-43-9	**Cadmium**	**0.667**	0.484	0.484	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-70-2	**Calcium**	**4100**	24.2	24.2	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-47-3	**Chromium**	**22.8**	1.93	1.93	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-48-4	**Cobalt**	**9.35**	4.84	4.84	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-50-8	**Copper**	**17.8**	2.90	2.90	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7439-89-6	**Iron**	**18800**	24.2	24.2	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7439-92-1	**Lead**	**13.0**	0.967	0.967	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7439-95-4	**Magnesium**	**7030**	48.4	48.4	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7439-96-5	**Manganese**	**557**	1.93	1.93	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	

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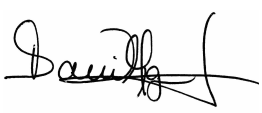

Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 08:20

Client ID: EP-28

Lab ID: 1601734-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7440-02-0	**Nickel**	**15.8**	3.87	3.87	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-09-7	**Potassium**	**1840**	48.4	48.4	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7782-49-2	Selenium	ND	3.87	3.87	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.484	0.484	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	U
7440-23-5	**Sodium**	**166**	48.4	48.4	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.45	2.90	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**31.6**	4.84	4.84	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
7440-66-6	**Zinc**	**46.1**	5.80	5.80	mg/kg dry	1	09/12/16 09:18	09/13/16 16:58/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.0879	0.0879	mg/kg dry	1	09/12/16 08:53	09/12/16 14:22/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**22.8**	1.65	1.65	mg/kg dry	1	09/12/16 09:31	09/13/16 16:58/NNM	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.17	1.17	mg/kg dry	1	09/12/16 09:24	09/12/16 15:07/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**85.3**	0.100	0.100	%	1	09/09/16 16:18	09/12/16 09:37/KMC	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.34	2.34	mg/kg dry	1	09/12/16 09:31	09/12/16 17:08/NNM	EPA 7196A	

Accredited Analytical Resources LLC

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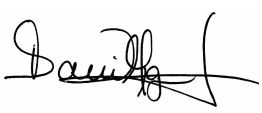


Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	(732) 223-2225
OFFICE FAX #	(732) 223-3666
INITIAL RESULTS TO:	sharrison@brinkenv.com
EMAIL FOR INVOICE:	same

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1601734
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL/TCL	Hex Chrom	Tri Chrom	AAR SAMPLE #
EP-28	9/9/16 1330	S	9-10	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____ (IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Category B Data Deliverables. Hard Copy Report due four(4) weeks from today.

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Rachael Barr SIGN:

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Rachael Barr	Print Name: W. K. Muniz	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 9/9/16	Time: 1420	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

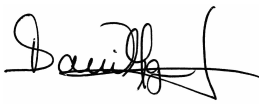
Accredited Analytical Resources, LLC.

16 September 2016 AAR Work Order: 1601751

Sean Harrison
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736
Project: 255 E. 138th Street

Enclosed are the results of analyses for samples received by the laboratory on 09/13/2016 14:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 14:55

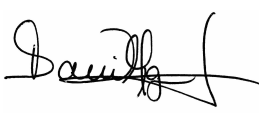
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-29	1601751-01	Soil	09/13/2016 12:10	09/13/2016 14:50
EP-30	1601751-02	Soil	09/13/2016 12:25	09/13/2016 14:50

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
D	Data reported from a dilution
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 14:55

Methodology Summary

EPA Method SW846 8081/8082:

NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:

NJ 8270C
NY 8270D

Total Mercury by SW846 7471:

NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:

NJ 6010B
NY 6010C

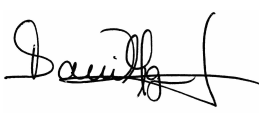
Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Wet Chemistry:

Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	9.18	15.3	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	3.06	15.3	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
67-64-1	**Acetone**	**91.0**	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
78-93-3	**2-Butanone**	**11.0**	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	
156-59-4	cis-1,2-Dichloroethene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
71-43-2	Benzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
108-88-3	**Toluene**	**2.19**	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
100-41-4	**Ethylbenzene**	**1.99**	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	J
108-90-7	Chlorobenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
108-38-3/106-4	**m,p-Xylenes**	**9.16**	3.06	6.12	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	
95-47-6	**o-Xylene**	**4.44**	3.06	6.12	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	J
100-42-5	Styrene	ND	1.53	6.12	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
108-67-8	**1,3,5-Trimethylbenzene**	**2.84**	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	J
95-49-8	2-Chlorotoluene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
95-63-6	**1,2,4-Trimethylbenzene**	**8.90**	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	
135-98-8	sec-Butylbenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.53	3.06	ug/kg dry	1	09/13/16 20:19	09/13/16 20:19/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*115 %*	*70-130*		*09/13/16 20:19*	*09/13/16 20:19/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*97 %*	*70-130*		*09/13/16 20:19*	*09/13/16 20:19/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*93 %*	*70-130*		*09/13/16 20:19*	*09/13/16 20:19/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
108-95-2	**Phenol**	**164**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
111-44-4	bis(2-chloroethyl)ether	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-44-5	3 & 4-Methylphenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
67-72-1	Hexachloroethane	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
78-59-1	Isophorone	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	119	476	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
91-20-3	**Naphthalene**	**51.4**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
106-47-8	4-Chloroaniline	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
83-32-9	**Acenaphthene**	**79.5**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
51-28-5	2,4-Dinitrophenol	ND	47.6	476	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
606-20-2	2,6-Dinitrotoluene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
7005-72-3	4-Chlorophenyl-phenylether	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
86-73-7	**Fluorene**	**72.4**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
100-01-6	4-Nitroaniline	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**1020**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	
120-12-7	**Anthracene**	**135**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**1150**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	
129-00-0	**Pyrene**	**933**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	119	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**420**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	
117-81-7	**bis(2-ethylhexyl)phthalate**	**142**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
218-01-9	**Chrysene**	**486**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	
117-84-0	Di-n-octyl phthalate	ND	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**525**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	
207-08-9	**Benzo[k]fluoranthene**	**189**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
50-32-8	**Benzo[a]pyrene**	**387**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**200**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
53-70-3	**Dibenzo(a,h)anthracene**	**55.2**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
							Accredited Analytical Resources LLC			
Semivolatile Organic Compounds EPA Method SW846 8270										
191-24-2	**Benzo[ghi]perylene**	**212**	47.6	239	ug/kg dry	1	09/14/16 05:36	09/15/16 19:20/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*38 %*	*30-130*		*09/14/16 05:36*	*09/15/16 19:20/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*51 %*	*30-130*		*09/14/16 05:36*	*09/15/16 19:20/JMM*	*EPA 8270*	
Surrogate: Nitrobenzene-d5				*53 %*	*30-130*		*09/14/16 05:36*	*09/15/16 19:20/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*54 %*	*30-130*		*09/14/16 05:36*	*09/15/16 19:20/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*10 %*	*30-130*	*	*09/14/16 05:36*	*09/15/16 19:20/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*87 %*	*30-130*		*09/14/16 05:36*	*09/15/16 19:20/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.86	9.51	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.90	1.90	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U

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BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
EPA Method SW846 8081/8082										
5566-34-7	gamma-Chlordane	ND	0.943	0.943	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	47.6	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
11104-28-2	Aroclor-1221	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	23.7	47.6	ug/kg dry	1	09/14/16 05:34	09/14/16 15:50/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*73.3 %*	*30-150*		*09/14/16 05:34*	*09/14/16 15:50/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*85.8 %*	*30-150*		*09/14/16 05:34*	*09/14/16 15:50/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*90.2 %*	*30-150*		*09/14/16 05:34*	*09/14/16 15:50/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*115 %*	*30-150*		*09/14/16 05:34*	*09/14/16 15:50/JAM*	*EPA 8081/8082*	

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1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**9540**	16.9	16.9	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-36-0	Antimony	ND	3.37	3.37	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**4.18**	0.843	0.843	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-39-3	**Barium**	**70.9**	16.9	16.9	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.421	0.421	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	U
7440-43-9	**Cadmium**	**0.886**	0.421	0.421	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-70-2	**Calcium**	**30600**	527	527	mg/kg dry	25	09/13/16 14:59	09/14/16 11:22/LIT	EPA 6010	D
7440-47-3	**Chromium**	**18.2**	1.69	1.69	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-48-4	**Cobalt**	**7.75**	4.21	4.21	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-50-8	**Copper**	**31.7**	2.53	2.53	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7439-89-6	**Iron**	**17900**	21.1	21.1	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7439-92-1	**Lead**	**65.6**	0.843	0.843	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7439-95-4	**Magnesium**	**10900**	42.1	42.1	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7439-96-5	**Manganese**	**307**	1.69	1.69	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-02-0	**Nickel**	**15.6**	3.37	3.37	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-09-7	**Potassium**	**1750**	42.1	42.1	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7782-49-2	Selenium	ND	3.37	3.37	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.421	0.421	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	U
7440-23-5	**Sodium**	**355**	42.1	42.1	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.26	2.53	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**23.6**	4.21	4.21	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
7440-66-6	**Zinc**	**74.5**	5.06	5.06	mg/kg dry	1	09/13/16 14:59	09/13/16 19:26/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.149**	0.107	0.107	mg/kg dry	1	09/15/16 08:08	09/15/16 11:45/PRT	EPA 7471	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 14:55

Client ID: EP-29

Lab ID: 1601751-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**18.2**	1.18	1.18	mg/kg dry	1	09/13/16 15:42	09/14/16 17:12/NNM	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.43	1.43	mg/kg dry	1	09/13/16 15:41	09/13/16 17:44/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**70.0**	0.100	0.100	%	1	09/14/16 09:41	09/15/16 10:45/KMC	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.86	2.86	mg/kg dry	1	09/13/16 15:42	09/14/16 17:12/NNM	EPA 7196A	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-30

Lab ID: 1601751-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	7.50	12.5	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.50	12.5	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
67-64-1	**Acetone**	**23.4**	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	
75-71-8	Dichlorodifluoromethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
78-93-3	2-Butanone	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
67-66-3	Chloroform	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
71-43-2	Benzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U

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Daniel Miguel, Technical Director

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BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-30

Lab ID: 1601751-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
108-88-3	Toluene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	2.50	5.00	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
95-47-6	o-Xylene	ND	2.50	5.00	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
100-42-5	Styrene	ND	1.25	5.00	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
75-25-2	Bromoform	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-30

Lab ID: 1601751-02 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.25	2.50	ug/kg dry	1	09/13/16 20:50	09/13/16 20:50/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*121 %*	*70-130*		*09/13/16 20:50*	*09/13/16 20:50/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*96 %*	*70-130*		*09/13/16 20:50*	*09/13/16 20:50/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*83 %*	*70-130*		*09/13/16 20:50*	*09/13/16 20:50/SG*	*EPA 8260*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
108-95-2	Phenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
111-44-4	bis(2-chloroethyl)ether	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
95-57-8	2-Chlorophenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
541-73-1	1,3-Dichlorobenzene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
106-46-7	1,4-Dichlorobenzene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
100-51-6	Benzyl alcohol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
95-50-1	1,2-Dichlorobenzene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
95-48-7	2-Methylphenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
106-44-5	3 & 4-Methylphenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
621-64-7	N-Nitroso-di-n-propylamine	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-30

Lab ID: 1601751-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
67-72-1	Hexachloroethane	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
98-95-3	Nitrobenzene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
78-59-1	Isophorone	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
88-75-5	2-Nitrophenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
105-67-9	2,4-Dimethylphenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
65-85-0	Benzoic acid	ND	111	447	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
111-91-1	bis(2-chloroethoxy)methane	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
120-83-2	2,4-Dichlorophenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
120-82-1	1,2,4-Trichlorobenzene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
91-20-3	Naphthalene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
106-47-8	4-Chloroaniline	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
87-68-3	Hexachlorobutadiene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
59-50-7	4-Chloro-3-methylphenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
91-57-6	2-Methylnaphthylene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
77-47-4	Hexachlorocyclopentadiene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
88-06-2	2,4,6-Trichlorophenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
95-95-4	2,4,5-Trichlorophenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
91-58-7	2-Chloronaphthalene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
88-74-4	2-Nitroaniline	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
131-11-3	Dimethylphthalate	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
208-96-8	Acenaphthylene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
99-09-2	3-Nitroaniline	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
83-32-9	Acenaphthene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
51-28-5	2,4-Dinitrophenol	ND	44.7	447	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
100-02-7	4-Nitrophenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
132-64-9	Dibenzofuran	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
606-20-2	2,6-Dinitrotoluene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
121-14-2	2,4-Dinitrotoluene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
84-66-2	Diethyl phthalate	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-30

Lab ID: 1601751-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7005-72-3	4-Chlorophenyl-phenylether	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
86-73-7	Fluorene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
100-01-6	4-Nitroaniline	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
86-30-6	N-Nitrosodiphenylamine	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
101-55-3	4-Bromophenyl-phenylether	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
118-74-1	Hexachlorobenzene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
87-86-5	Pentachlorophenol	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
85-01-8	**Phenanthrene**	**236**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	
120-12-7	**Anthracene**	**57.7**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	J
84-74-2	Di-n-butyl phthalate	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
206-44-0	**Fluoranthene**	**386**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	
129-00-0	**Pyrene**	**376**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	
85-68-7	Butylbenzylphthalate	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
91-94-1	3,3'-Dichlorobenzidine	ND	111	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
56-55-3	**Benzo[a]anthracene**	**190**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
218-01-9	**Chrysene**	**197**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	J
117-84-0	Di-n-octyl phthalate	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
205-99-2	**Benzo[b]fluoranthene**	**211**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	J
207-08-9	**Benzo[k]fluoranthene**	**83.7**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	J
50-32-8	**Benzo[a]pyrene**	**178**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**81.4**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	J
53-70-3	Dibenzo(a,h)anthracene	ND	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	U
191-24-2	**Benzo[ghi]perylene**	**88.6**	44.7	224	ug/kg dry	1	09/14/16 05:36	09/15/16 20:06/JMM	EPA 8270	J
Surrogate: 2-Fluorophenol				*79 %*	*30-130*		*09/14/16 05:36*	*09/15/16 20:06/JMM*	*EPA 8270*	
Surrogate: Phenol-d5				*80 %*	*30-130*		*09/14/16 05:36*	*09/15/16 20:06/JMM*	*EPA 8270*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-30

Lab ID: 1601751-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Nitrobenzene-d5				*79 %*	*30-130*		*09/14/16 05:36*	*09/15/16 20:06/JMM*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl				*79 %*	*30-130*		*09/14/16 05:36*	*09/15/16 20:06/JMM*	*EPA 8270*	
Surrogate: 2,4,6-Tribromophenol				*80 %*	*30-130*		*09/14/16 05:36*	*09/15/16 20:06/JMM*	*EPA 8270*	
Surrogate: Terphenyl-d14				*96 %*	*30-130*		*09/14/16 05:36*	*09/15/16 20:06/JMM*	*EPA 8270*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
319-85-7	beta-BHC	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
319-86-8	delta-BHC	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
76-44-8	Heptachlor	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
309-00-2	Aldrin	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
959-98-8	Endosulfan I	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
60-57-1	Dieldrin	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
72-55-9	4,4'-DDE	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
72-20-8	Endrin	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
33213-65-9	Endosulfan II	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
72-54-8	4,4'-DDD	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
1031-07-8	Endosulfan sulfate	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
50-29-3	4,4'-DDT	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
72-43-5	Methoxychlor	ND	2.68	8.94	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
53494-70-5	Endrin ketone	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
7421-93-4	Endrin aldehyde	ND	1.79	1.79	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
5103-71-9	alpha-Chlordane	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
5566-34-7	gamma-Chlordane	ND	0.886	0.886	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
8001-35-2	Toxaphene	ND	44.7	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
12674-11-2	Aroclor-1016	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 E. 138th Street
Project Manager: Sean Harrison

Reported:
09/16/2016 14:55

Client ID: EP-30

Lab ID: 1601751-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
EPA Method SW846 8081/8082										
11104-28-2	Aroclor-1221	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
11141-16-5	Aroclor-1232	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
53469-21-9	Aroclor-1242	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
12672-29-6	Aroclor-1248	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
11097-69-1	Aroclor-1254	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
11096-82-5	Aroclor-1260	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
37324-23-5	Aroclor-1262	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
11100-14-4	Aroclor-1268	ND	22.3	44.7	ug/kg dry	1	09/14/16 05:34	09/14/16 16:19/JAM	EPA 8081/8082	U
Surrogate: Tetrachloro-m-xylene				*72.6 %*	*30-150*		*09/14/16 05:34*	*09/14/16 16:19/JAM*	*EPA 8081/8082*	
Surrogate: Tetrachloro-m-xylene				*88.7 %*	*30-150*		*09/14/16 05:34*	*09/14/16 16:19/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*86.2 %*	*30-150*		*09/14/16 05:34*	*09/14/16 16:19/JAM*	*EPA 8081/8082*	
Surrogate: Decachlorobiphenyl				*110 %*	*30-150*		*09/14/16 05:34*	*09/14/16 16:19/JAM*	*EPA 8081/8082*	
Total Metals by EPA Method SW846 6010										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8480**	18.5	18.5	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-36-0	Antimony	ND	3.69	3.69	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	U
7440-38-2	**Arsenic**	**2.52**	0.923	0.923	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-39-3	**Barium**	**71.8**	18.5	18.5	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-41-7	Beryllium	ND	0.461	0.461	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	U
7440-43-9	**Cadmium**	**0.799**	0.461	0.461	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-70-2	**Calcium**	**34900**	577	577	mg/kg dry	25	09/13/16 14:59	09/14/16 11:27/LIT	EPA 6010	D
7440-47-3	**Chromium**	**16.5**	1.85	1.85	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-48-4	**Cobalt**	**7.69**	4.61	4.61	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-50-8	**Copper**	**27.6**	2.77	2.77	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7439-89-6	**Iron**	**16500**	23.1	23.1	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7439-92-1	**Lead**	**73.6**	0.923	0.923	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7439-95-4	**Magnesium**	**13700**	46.1	46.1	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	

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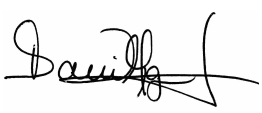
BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 E. 138th Street	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	09/16/2016 14:55

Client ID: EP-30

Lab ID: 1601751-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010										
7439-96-5	**Manganese**	**363**	1.85	1.85	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-02-0	**Nickel**	**14.2**	3.69	3.69	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-09-7	**Potassium**	**1720**	46.1	46.1	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7782-49-2	Selenium	ND	3.69	3.69	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	U
7440-22-4	Silver	ND	0.461	0.461	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	U
7440-23-5	**Sodium**	**311**	46.1	46.1	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-28-0	Thallium	ND	1.38	2.77	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	U
7440-62-2	**Vanadium**	**24.3**	4.61	4.61	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
7440-66-6	**Zinc**	**68.9**	5.54	5.54	mg/kg dry	1	09/13/16 14:59	09/13/16 19:31/LIT	EPA 6010	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.202**	0.101	0.101	mg/kg dry	1	09/15/16 08:08	09/15/16 11:47/PRT	EPA 7471	
Wet Chemistry										
Sample Prepared by Method:[CALC]										
16065-83-1	**Trivalent Chromium**	**16.5**	1.37	1.37	mg/kg dry	1	09/13/16 15:42	09/14/16 17:12/NNM	[CALC]	
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.34	1.34	mg/kg dry	1	09/13/16 15:41	09/13/16 17:44/NNM	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**74.5**	0.100	0.100	%	1	09/14/16 09:41	09/15/16 10:45/KMC	SM 2540 G	
Sample Prepared by Method:SW 846 3060A										
1854-02-99	Chromium, Hexavalent	ND	2.68	2.68	mg/kg dry	1	09/13/16 15:42	09/14/16 17:12/NNM	EPA 7196A	

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 E. 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732.223-3666
INITIAL RESULTS TO:	Sean Harrison
EMAIL FOR INVOICE:	Sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental Services
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1601751
P.O. #	10BR188

ANALYSIS

PRES. CODE →
CONT. CODE →

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL / TCL	Hexavalent Chromium	Trivalent Chromium	AAR SAMPLE #
EP-29	9/13/16 @ 12:10	S		4	G	X	X	X	-01
EP-30	9/13/16 @ 12:25	S		4	G	X	X	X	-02

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE)	STANDARD 5 DAY 72 HRS. (48 HRS.) 24 HRS. OTHER ~~36 hours~~ MA. (IF BLANK STANDARD WILL APPLY)
REPORT TYPE:	RESULTS ONLY ___ REDUCED ___ FULL X EDD ___ EXCEL SPREADSHEET ___

COMMENTS: Please provide ~~category~~ NYSDEC Category B Data Deliverable; Send invoice to Brinkerhoff

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: K. Muniz	Print Name:	Print Name:
Signature: Monica Norton	Signature: K. Muniz	Signature:	Signature:
Agent of: BES	Agent of: AAR	Agent of:	Agent of:
Date Received: 9 / 13 / 16	Time: 14:50 ~~12:50~~ KM 9/13/16	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Bernie O'Gara

From: "Monica Norton" <mnorton@brinkenv.com>
To: "'Bernie O'Gara'" <bernie@accreditedanalytical.com>
Sent: Tuesday, September 13, 2016 4:54 PM
Subject: RE: AAR Case 1601751

Dear Bernie,

Yes, I would like to revise the TAT to be 72 hours for these samples.

Thanks you,

Monica

Monica Norton
mnorton@brinkenv.com
BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, NJ 08736
Phone: 732-223-2225
Fax: 732-223-3666
Web: www.BrinkEnv.com

From: Bernie O'Gara [mailto:bernie@accreditedanalytical.com]
Sent: Tuesday, September 13, 2016 4:31 PM
To: 'Monica Norton' <mnorton@brinkenv.com>
Cc: Sean Harrison <sharrison@brinkenv.com>
Subject: AAR Case 1601751

Hi Monica,

We received 2 soil samples today for the 255 E. 138th Street Project.

Per our conversation today, please confirm that you would like to revise the TAT to 72 hours.

Thank you,

Bernie O'Gara
Accredited Analytical Resources, LLC
20 Pershing Ave. Carteret, NJ 07008
Ph. 732.969.6112 ext 105 | Fax 732.541.1383
bernie@accreditedanalytical.com

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Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1601783

Client Sample ID:	Lab Sample ID:
EP-31	1601783-01
EP-31	1601783-01RE1

This data has been reviewed and accepted by:

Daniel Miguel 09/23/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

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Methodology Summary

EPA Method SW846 8081/8082:
NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:
NJ 8270C
NY 8270D

Total Mercury by SW846 7471:
NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:
NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:
NJ 8260B
NY 8260C

Wet Chemistry:
Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street**
Work Order: **1601783**

Received: 9/16/16 14:10

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th street
CONTACT:	Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	sharrison@brinkenv.com
EMAIL FOR INVOICE:	same

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	NJ
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1631783
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE → / CONT. CODE → TAL TCL	Hex Chrom	Tri Chrom	AAR SAMPLE #
EP-31	9/16/16 10:20	S	15-15.5	4	G	X	X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSEC catagory B Data Deliverables. Hard copy report due four (4) weeks from today.

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Rachael Barr SIGN: RaeBa

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Rachael Barr	Print Name: K. Muniz	Print Name:	Print Name:
Signature: RaeBa	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 9/16/16	Time: 1410	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-31	1601783-01	Soil	09/16/2016 10:20	09/16/2016 14:10

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

PEST/PCB

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/19/16 06:09	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B	File ID:	A23166.D
Prep Batch:	B6I1902	Sequence:	S6I1901	Analyzed:	09/19/16 18:24
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	1.77	1.77	U
319-85-7	beta-BHC	ND	1.77	1.77	U
319-86-8	delta-BHC	ND	1.77	1.77	U
58-89-9	gamma-BHC [Lindane]	ND	1.77	1.77	U
76-44-8	Heptachlor	ND	1.77	1.77	U
309-00-2	Aldrin	ND	1.77	1.77	U
1024-57-3	Heptachlor Epoxide	ND	1.77	1.77	U
959-98-8	Endosulfan I	ND	1.77	1.77	U
60-57-1	Dieldrin	ND	3.58	3.58	U
72-55-9	4,4'-DDE	ND	3.58	3.58	U
72-20-8	Endrin	ND	3.58	3.58	U
33213-65-9	Endosulfan II	ND	3.58	3.58	U
72-54-8	4,4'-DDD	ND	3.58	3.58	U
1031-07-8	Endosulfan sulfate	ND	3.58	3.58	U
50-29-3	4,4'-DDT	ND	3.58	3.58	U
72-43-5	Methoxychlor	ND	5.38	17.9	U
53494-70-5	Endrin ketone	ND	3.58	3.58	U
7421-93-4	Endrin aldehyde	ND	3.58	3.58	U
5103-71-9	alpha-Chlordane	ND	1.77	1.77	U
5566-34-7	gamma-Chlordane	ND	1.77	1.77	U
8001-35-2	Toxaphene	ND	89.5	89.5	U
12674-11-2	Aroclor-1016	ND	44.6	89.5	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/19/16 06:09	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B	File ID:	A23166.D
Prep Batch:	B6I1902	Sequence:	S6I1901	Analyzed:	09/19/16 18:24
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	44.6	89.5	U
11141-16-5	Aroclor-1232	ND	44.6	89.5	U
53469-21-9	Aroclor-1242	ND	44.6	89.5	U
12672-29-6	Aroclor-1248	ND	44.6	89.5	U
11097-69-1	Aroclor-1254	ND	44.6	89.5	U
11096-82-5	Aroclor-1260	ND	44.6	89.5	U
37324-23-5	Aroclor-1262	ND	44.6	89.5	U
11100-14-4	Aroclor-1268	ND	44.6	89.5	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	46.0%	30-150
Tetrachloro-m-xylene [2C]	56.3%	30-150
Decachlorobiphenyl	53.5%	30-150
Decachlorobiphenyl [2C]	73.1%	30-150

* Values outside of QC limits
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E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

SEMIVOLATILES

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11195.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 20:33
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	89.5	449	U
108-95-2	Phenol	ND	89.5	449	U
111-44-4	bis(2-chloroethyl)ether	ND	89.5	449	U
95-57-8	2-Chlorophenol	ND	89.5	449	U
541-73-1	1,3-Dichlorobenzene	ND	89.5	449	U
106-46-7	1,4-Dichlorobenzene	ND	89.5	449	U
100-51-6	Benzyl alcohol	ND	89.5	449	U
95-50-1	1,2-Dichlorobenzene	ND	89.5	449	U
95-48-7	2-Methylphenol	ND	89.5	449	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	89.5	449	U
106-44-5	3 & 4-Methylphenol	254	89.5	449	J
621-64-7	N-Nitroso-di-n-propylamine	ND	89.5	449	U
67-72-1	Hexachloroethane	ND	89.5	449	U
98-95-3	Nitrobenzene	ND	89.5	449	U
78-59-1	Isophorone	ND	89.5	449	U
88-75-5	2-Nitrophenol	ND	89.5	449	U
105-67-9	2,4-Dimethylphenol	ND	89.5	449	U
65-85-0	Benzoic acid	ND	223	895	U
111-91-1	bis(2-chloroethoxy)methane	ND	89.5	449	U
120-83-2	2,4-Dichlorophenol	ND	89.5	449	U
120-82-1	1,2,4-Trichlorobenzene	ND	89.5	449	U
91-20-3	Naphthalene	ND	89.5	449	U
106-47-8	4-Chloroaniline	ND	89.5	449	U
87-68-3	Hexachlorobutadiene	ND	89.5	449	U
59-50-7	4-Chloro-3-methylphenol	ND	89.5	449	U
91-57-6	2-Methylnaphthylene	ND	89.5	449	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11195.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 20:33
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	89.5	449	U
88-06-2	2,4,6-Trichlorophenol	ND	89.5	449	U
95-95-4	2,4,5-Trichlorophenol	ND	89.5	449	U
91-58-7	2-Chloronaphthalene	ND	89.5	449	U
88-74-4	2-Nitroaniline	ND	89.5	449	U
131-11-3	Dimethylphthalate	ND	89.5	449	U
208-96-8	Acenaphthylene	ND	89.5	449	U
99-09-2	3-Nitroaniline	ND	89.5	449	U
83-32-9	Acenaphthene	ND	89.5	449	U
51-28-5	2,4-Dinitrophenol	ND	89.5	895	U
100-02-7	4-Nitrophenol	ND	89.5	449	U
132-64-9	Dibenzofuran	ND	89.5	449	U
606-20-2	2,6-Dinitrotoluene	ND	89.5	449	U
121-14-2	2,4-Dinitrotoluene	ND	89.5	449	U
84-66-2	Diethyl phthalate	ND	89.5	449	U
7005-72-3	4-Chlorophenyl-phenylether	ND	89.5	449	U
86-73-7	Fluorene	ND	89.5	449	U
100-01-6	4-Nitroaniline	ND	89.5	449	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	89.5	449	U
86-30-6	N-Nitrosodiphenylamine	ND	89.5	449	U
101-55-3	4-Bromophenyl-phenylether	ND	89.5	449	U
118-74-1	Hexachlorobenzene	ND	89.5	449	U
87-86-5	Pentachlorophenol	ND	89.5	449	U
85-01-8	Phenanthrene	505	89.5	449	
120-12-7	Anthracene	127	89.5	449	J
84-74-2	Di-n-butyl phthalate	ND	89.5	449	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11195.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 20:33
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	980	89.5	449	
129-00-0	Pyrene	814	89.5	449	
85-68-7	Butylbenzylphthalate	ND	89.5	449	U
91-94-1	3,3'-Dichlorobenzidine	ND	223	449	U
56-55-3	Benzo[a]anthracene	453	89.5	449	
117-81-7	bis(2-ethylhexyl)phthalate	ND	89.5	449	U
218-01-9	Chrysene	483	89.5	449	
117-84-0	Di-n-octyl phthalate	ND	89.5	449	U
205-99-2	Benzo[b]fluoranthene	537	89.5	449	
207-08-9	Benzo[k]fluoranthene	244	89.5	449	J
50-32-8	Benzo[a]pyrene	487	89.5	449	
193-39-5	Indeno(1,2,3-cd)pyrene	308	89.5	449	J
53-70-3	Dibenzo(a,h)anthracene	ND	89.5	449	U
191-24-2	Benzo[ghi]perylene	371	89.5	449	J

Surrogate	% Recovery		Recovery Limits
2-Fluorophenol	0.9%	*	30-130
Phenol-d5	11%	*	30-130
Nitrobenzene-d5	98%		30-130
2-Fluorobiphenyl	84%		30-130
2,4,6-Tribromophenol	0.8%	*	30-130
Terphenyl-d14	83%		30-130

* Values outside of QC limits
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E - Concentration exceeds highest calibration standard
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P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11196.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 21:17
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	448	2240	U
108-95-2	Phenol	ND	448	2240	U
111-44-4	bis(2-chloroethyl)ether	ND	448	2240	U
95-57-8	2-Chlorophenol	ND	448	2240	U
541-73-1	1,3-Dichlorobenzene	ND	448	2240	U
106-46-7	1,4-Dichlorobenzene	ND	448	2240	U
100-51-6	Benzyl alcohol	ND	448	2240	U
95-50-1	1,2-Dichlorobenzene	ND	448	2240	U
95-48-7	2-Methylphenol	ND	448	2240	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	448	2240	U
106-44-5	3 & 4-Methylphenol	ND	448	2240	U
621-64-7	N-Nitroso-di-n-propylamine	ND	448	2240	U
67-72-1	Hexachloroethane	ND	448	2240	U
98-95-3	Nitrobenzene	ND	448	2240	U
78-59-1	Isophorone	ND	448	2240	U
88-75-5	2-Nitrophenol	ND	448	2240	U
105-67-9	2,4-Dimethylphenol	ND	448	2240	U
65-85-0	Benzoic acid	ND	1120	4480	U
111-91-1	bis(2-chloroethoxy)methane	ND	448	2240	U
120-83-2	2,4-Dichlorophenol	ND	448	2240	U
120-82-1	1,2,4-Trichlorobenzene	ND	448	2240	U
91-20-3	Naphthalene	ND	448	2240	U
106-47-8	4-Chloroaniline	ND	448	2240	U
87-68-3	Hexachlorobutadiene	ND	448	2240	U
59-50-7	4-Chloro-3-methylphenol	ND	448	2240	U
91-57-6	2-Methylnaphthylene	ND	448	2240	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11196.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 21:17
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	448	2240	U
88-06-2	2,4,6-Trichlorophenol	ND	448	2240	U
95-95-4	2,4,5-Trichlorophenol	ND	448	2240	U
91-58-7	2-Chloronaphthalene	ND	448	2240	U
88-74-4	2-Nitroaniline	ND	448	2240	U
131-11-3	Dimethylphthalate	ND	448	2240	U
208-96-8	Acenaphthylene	ND	448	2240	U
99-09-2	3-Nitroaniline	ND	448	2240	U
83-32-9	Acenaphthene	ND	448	2240	U
51-28-5	2,4-Dinitrophenol	ND	448	4480	U
100-02-7	4-Nitrophenol	ND	448	2240	U
132-64-9	Dibenzofuran	ND	448	2240	U
606-20-2	2,6-Dinitrotoluene	ND	448	2240	U
121-14-2	2,4-Dinitrotoluene	ND	448	2240	U
84-66-2	Diethyl phthalate	ND	448	2240	U
7005-72-3	4-Chlorophenyl-phenylether	ND	448	2240	U
86-73-7	Fluorene	ND	448	2240	U
100-01-6	4-Nitroaniline	ND	448	2240	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	448	2240	U
86-30-6	N-Nitrosodiphenylamine	ND	448	2240	U
101-55-3	4-Bromophenyl-phenylether	ND	448	2240	U
118-74-1	Hexachlorobenzene	ND	448	2240	U
87-86-5	Pentachlorophenol	ND	448	2240	U
85-01-8	Phenanthrene	545	448	2240	D, J
120-12-7	Anthracene	ND	448	2240	U
84-74-2	Di-n-butyl phthalate	ND	448	2240	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/21/16 05:25	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 3550B GCMS	File ID:	E11196.D
Prep Batch:	B6I2101	Sequence:	S6I2211	Analyzed:	09/22/16 21:17
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	1070	448	2240	D, J
129-00-0	Pyrene	892	448	2240	D, J
85-68-7	Butylbenzylphthalate	ND	448	2240	U
91-94-1	3,3'-Dichlorobenzidine	ND	1120	2240	U
56-55-3	Benzo[a]anthracene	496	448	2240	J, D
117-81-7	bis(2-ethylhexyl)phthalate	ND	448	2240	U
218-01-9	Chrysene	552	448	2240	D, J
117-84-0	Di-n-octyl phthalate	ND	448	2240	U
205-99-2	Benzo[b]fluoranthene	603	448	2240	J, D
207-08-9	Benzo[k]fluoranthene	ND	448	2240	U
50-32-8	Benzo[a]pyrene	555	448	2240	J, D
193-39-5	Indeno(1,2,3-cd)pyrene	ND	448	2240	U
53-70-3	Dibenzo(a,h)anthracene	ND	448	2240	U
191-24-2	Benzo[ghi]perylene	ND	448	2240	U

Surrogate	% Recovery		Recovery Limits
2-Fluorophenol	0.9%	*	30-130
Phenol-d5	11%	*	30-130
Nitrobenzene-d5	102%		30-130
2-Fluorobiphenyl	98%		30-130
2,4,6-Tribromophenol	1%	*	30-130
Terphenyl-d14	100%		30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/20/16 20:22	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9514.D
Prep Batch:	B6I2013	Sequence:	S6I2006	Analyzed:	09/20/16 20:22
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	25.1	41.9	U
107-13-1	Acrylonitrile	ND	8.37	41.9	U
67-64-1	Acetone	2290	4.19	8.37	B, E
75-71-8	Dichlorodifluoromethane	ND	4.19	8.37	U
74-87-3	Chloromethane	ND	4.19	8.37	U
75-01-4	Vinyl chloride	ND	4.19	8.37	U
74-83-9	Bromomethane	ND	4.19	8.37	U
75-00-3	Chloroethane	ND	4.19	8.37	U
75-69-4	Trichlorofluoromethane	ND	4.19	8.37	U
75-35-4	1,1-Dichloroethene	ND	4.19	8.37	U
75-15-0	Carbon disulfide	35.8	4.19	8.37	
75-09-2	Methylene Chloride	ND	4.19	8.37	U
156-60-5	trans-1,2-Dichloroethene	ND	4.19	8.37	U
75-34-3	1,1-Dichloroethane	ND	4.19	8.37	U
108-05-4	Vinyl acetate	ND	4.19	8.37	U
590-20-7	2,2-Dichloropropane	ND	4.19	8.37	U
78-93-3	2-Butanone	453	4.19	8.37	
156-59-4	cis-1,2-Dichloroethene	ND	4.19	8.37	U
67-66-3	Chloroform	ND	4.19	8.37	U
74-97-5	Bromochloromethane	ND	4.19	8.37	U
71-55-6	1,1,1-Trichloroethane	ND	4.19	8.37	U
563-58-6	1,1-Dichloropropene	ND	4.19	8.37	U
56-23-5	Carbon Tetrachloride	ND	4.19	8.37	U
107-06-2	1,2-Dichloroethane	ND	4.19	8.37	U
71-43-2	Benzene	ND	4.19	8.37	U
79-01-6	Trichloroethene	ND	4.19	8.37	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/20/16 20:22	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9514.D
Prep Batch:	B6I2013	Sequence:	S6I2006	Analyzed:	09/20/16 20:22
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	4.19	8.37	U
75-27-4	Bromodichloromethane	ND	4.19	8.37	U
74-95-3	Dibromomethane	ND	4.19	8.37	U
110-75-8	2-Chloroethyl vinyl ether	ND	4.19	8.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	4.19	8.37	U
108-88-3	Toluene	5.19	4.19	8.37	J
10061-02-6	trans-1,3-Dichloropropene	ND	4.19	8.37	U
79-00-5	1,1,2-Trichloroethane	ND	4.19	8.37	U
108-10-1	4-Methyl-2-pentanone	ND	4.19	8.37	U
106-93-4	1,2-Dibromoethane	ND	4.19	8.37	U
591-78-6	2-Hexanone	ND	4.19	8.37	U
142-28-9	1,3-Dichloropropane	ND	4.19	8.37	U
127-18-4	Tetrachloroethene	ND	4.19	8.37	U
124-48-1	Dibromochloromethane	ND	4.19	8.37	U
100-41-4	Ethylbenzene	5.74	4.19	8.37	J
108-90-7	Chlorobenzene	ND	4.19	8.37	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	4.19	8.37	U
108-38-3/106-42	m,p-Xylenes	14.5	8.37	16.7	J
95-47-6	o-Xylene	ND	8.37	16.7	U
100-42-5	Styrene	ND	4.19	16.7	U
75-25-2	Bromoform	ND	4.19	8.37	U
98-82-8	Isopropylbenzene	5.07	4.19	8.37	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	4.19	8.37	U
96-18-4	1,2,3-Trichloropropane	ND	4.19	8.37	U
103-65-1	n-Propyl Benzene	7.75	4.19	8.37	J
108-86-1	Bromobenzene	ND	4.19	8.37	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/20/16 20:22	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9514.D
Prep Batch:	B6I2013	Sequence:	S6I2006	Analyzed:	09/20/16 20:22
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	8.46	4.19	8.37	
95-49-8	2-Chlorotoluene	ND	4.19	8.37	U
106-43-4	4-Chlorotoluene	ND	4.19	8.37	U
98-06-6	tert-Butylbenzene	ND	4.19	8.37	U
95-63-6	1,2,4-Trimethylbenzene	36.0	4.19	8.37	
135-98-8	sec-Butylbenzene	7.66	4.19	8.37	J
99-87-6	p-Isopropyltoluene	ND	4.19	8.37	U
541-73-1	1,3-Dichlorobenzene	ND	4.19	8.37	U
106-46-7	1,4-Dichlorobenzene	ND	4.19	8.37	U
104-51-8	n-Butyl Benzene	8.96	4.19	8.37	
95-50-1	1,2-Dichlorobenzene	ND	4.19	8.37	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.19	8.37	U
120-82-1	1,2,4-Trichlorobenzene	ND	4.19	8.37	U
87-68-3	Hexachlorobutadiene	ND	4.19	8.37	U
87-61-6	1,2,3-Trichlorobenzene	ND	4.19	8.37	U

Surrogate	% Recovery		Recovery Limits
1,2-Dichloroethane-d4	98%		70-130
Toluene-d8	94%		70-130
Bromofluorobenzene	68%	*	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/23/16 15:06	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9583.D
Prep Batch:	B6I2307	Sequence:	S6I2304	Analyzed:	09/23/16 15:06
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	502	837	U
107-13-1	Acrylonitrile	ND	167	837	U
67-64-1	Acetone	1950	83.7	167	D
75-71-8	Dichlorodifluoromethane	ND	83.7	167	U
74-87-3	Chloromethane	ND	83.7	167	U
75-01-4	Vinyl chloride	ND	83.7	167	U
74-83-9	Bromomethane	ND	83.7	167	U
75-00-3	Chloroethane	ND	83.7	167	U
75-69-4	Trichlorofluoromethane	ND	83.7	167	U
75-35-4	1,1-Dichloroethene	ND	83.7	167	U
75-15-0	Carbon disulfide	ND	83.7	167	U
75-09-2	Methylene Chloride	ND	83.7	167	U
156-60-5	trans-1,2-Dichloroethene	ND	83.7	167	U
75-34-3	1,1-Dichloroethane	ND	83.7	167	U
108-05-4	Vinyl acetate	ND	83.7	167	U
590-20-7	2,2-Dichloropropane	ND	83.7	167	U
78-93-3	2-Butanone	529	83.7	167	D
156-59-4	cis-1,2-Dichloroethene	ND	83.7	167	U
67-66-3	Chloroform	ND	83.7	167	U
74-97-5	Bromochloromethane	ND	83.7	167	U
71-55-6	1,1,1-Trichloroethane	ND	83.7	167	U
563-58-6	1,1-Dichloropropene	ND	83.7	167	U
56-23-5	Carbon Tetrachloride	ND	83.7	167	U
107-06-2	1,2-Dichloroethane	ND	83.7	167	U
71-43-2	Benzene	ND	83.7	167	U
79-01-6	Trichloroethene	ND	83.7	167	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/23/16 15:06	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9583.D
Prep Batch:	B6I2307	Sequence:	S6I2304	Analyzed:	09/23/16 15:06
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	83.7	167	U
75-27-4	Bromodichloromethane	ND	83.7	167	U
74-95-3	Dibromomethane	ND	83.7	167	U
110-75-8	2-Chloroethyl vinyl ether	ND	83.7	167	U
10061-01-5	cis-1,3-Dichloropropene	ND	83.7	167	U
108-88-3	Toluene	ND	83.7	167	U
10061-02-6	trans-1,3-Dichloropropene	ND	83.7	167	U
79-00-5	1,1,2-Trichloroethane	ND	83.7	167	U
108-10-1	4-Methyl-2-pentanone	ND	83.7	167	U
106-93-4	1,2-Dibromoethane	ND	83.7	167	U
591-78-6	2-Hexanone	ND	83.7	167	U
142-28-9	1,3-Dichloropropane	ND	83.7	167	U
127-18-4	Tetrachloroethene	ND	83.7	167	U
124-48-1	Dibromochloromethane	ND	83.7	167	U
100-41-4	Ethylbenzene	ND	83.7	167	U
108-90-7	Chlorobenzene	ND	83.7	167	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	83.7	167	U
108-38-3/106-42	m,p-Xylenes	ND	167	335	U
95-47-6	o-Xylene	ND	167	335	U
100-42-5	Styrene	ND	83.7	335	U
75-25-2	Bromoform	ND	83.7	167	U
98-82-8	Isopropylbenzene	ND	83.7	167	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	83.7	167	U
96-18-4	1,2,3-Trichloropropane	ND	83.7	167	U
103-65-1	n-Propyl Benzene	ND	83.7	167	U
108-86-1	Bromobenzene	ND	83.7	167	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01RE1
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Prep Date:	09/23/16 15:06	Matrix:	Soil
Percent Solids:	37.20	Prep Method:	EPA 5035A	File ID:	A9583.D
Prep Batch:	B6I2307	Sequence:	S6I2304	Analyzed:	09/23/16 15:06
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	83.7	167	U
95-49-8	2-Chlorotoluene	ND	83.7	167	U
106-43-4	4-Chlorotoluene	ND	83.7	167	U
98-06-6	tert-Butylbenzene	ND	83.7	167	U
95-63-6	1,2,4-Trimethylbenzene	ND	83.7	167	U
135-98-8	sec-Butylbenzene	ND	83.7	167	U
99-87-6	p-Isopropyltoluene	ND	83.7	167	U
541-73-1	1,3-Dichlorobenzene	ND	83.7	167	U
106-46-7	1,4-Dichlorobenzene	ND	83.7	167	U
104-51-8	n-Butyl Benzene	ND	83.7	167	U
95-50-1	1,2-Dichlorobenzene	ND	83.7	167	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	83.7	167	U
120-82-1	1,2,4-Trichlorobenzene	ND	83.7	167	U
87-68-3	Hexachlorobutadiene	ND	83.7	167	U
87-61-6	1,2,3-Trichlorobenzene	ND	83.7	167	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	95%	70-130
Toluene-d8	100%	70-130
Bromofluorobenzene	102%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Matrix:	Soil
Percent Solids:	37.20	File ID:	092016B-019

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	14900	28.8	28.8	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-97-6	Mercury	ND	0.202	0.202	1	U	09/19/16 08:21	EPA 7471A	09/19/16 13:21 PRT	EPA 7471
7440-36-0	Antimony	ND	5.75	5.75	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-38-2	Arsenic	4.85	1.44	1.44	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-39-3	Barium	104	28.8	28.8	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.719	0.719	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-43-9	Cadmium	0.902	0.719	0.719	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-70-2	Calcium	132000	1800	1800	50	D	09/19/16 08:50	EPA 3050B	09/20/16 13:05 LIT	EPA 6010
7440-47-3	Chromium	61.1	2.88	2.88	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-48-4	Cobalt	8.69	7.19	7.19	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-50-8	Copper	35.2	4.31	4.31	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-89-6	Iron	18200	35.9	35.9	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-92-1	Lead	52.8	1.44	1.44	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-95-4	Magnesium	7880	71.9	71.9	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7439-96-5	Manganese	458	2.88	2.88	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-02-0	Nickel	21.1	5.75	5.75	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-09-7	Potassium	2020	71.9	71.9	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7782-49-2	Selenium	ND	5.75	5.75	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-22-4	Silver	ND	0.719	0.719	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-23-5	Sodium	753	71.9	71.9	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-28-0	Thallium	ND	2.16	4.31	1	U	09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-62-2	Vanadium	46.6	7.19	7.19	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010
7440-66-6	Zinc	123	8.63	8.63	1		09/19/16 08:50	EPA 3050B	09/20/16 12:35 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-31
Lab Sample ID: 1601783-01
Project: 255 East 138th Street
Work Order: 1601783

Date Sampled:	09/16/16 10:20	Matrix:	Soil
Percent Solids:	37.20	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	61.1	1.07	1.07	1		09/20/16 12:37	[CALC]	09/22/16 08:15 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	5.38	5.38	1	U	09/20/16 12:37	SW 846 3060A	09/22/16 08:15 NNM	EPA 7196A
NA	Cyanide (total)	ND	2.69	2.69	1	U	09/22/16 09:32	EPA 9010C	09/22/16 16:12 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	37.2	0.100	0.100	1		09/19/16 11:59	Percent Solids	09/19/16 16:56 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1602114

Client Sample ID:	Lab Sample ID:
EP-32	1602114-01
EP-33	1602114-02
EP-33	1602114-02RE1
DUP-1	1602114-03
DUP-1	1602114-03RE1

This data has been reviewed and accepted by:

Daniel Miguel 11/14/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Methodology Summary

EPA Method SW846 8081/8082:
NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:
NJ 8270C
NY 8270D

Total Mercury by SW846 7471:
NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:
NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:
NJ 8260B
NY 8260C

Wet Chemistry:
Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street**
Work Order: **1602114**

Received: 11/7/16 14:15

Cooler

Temperature °C	6.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	732-223-2275
OFFICE FAX #	732-223-3664
INITIAL RESULTS TO:	Sean Harrison
EMAIL FOR INVOICE:	sharrison@brinkerhw.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1632114
P.O. #	10BR188

ANALYSIS

PRES. CODE →
CONT. CODE →

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TAL/TCL	Hex chrom	Tri chrom	AAR SAMPLE #
EP-32	11/7/16 1230	S	15-15.5	4	G	X	X	X	-01
EP-33	11/7/16 1215	S	9.5-10	4	G	X	X	X	-02
DUP-1	11/7/16 1220	S		4	G	X	X	X	-03

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) STANDARD (5 DAY) 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Catagory B Data Deliverables. Hard copy Report due (4) four weeks from today.

COOLER TEMP: 6°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Rachael Barr SIGN: R B

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Rachael Barr	Print Name: K. Muniz	Print Name:	Print Name:
Signature: R B	Signature: K Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 11/7/16	Time: 1415	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-32	1602114-01	Soil	11/07/2016 12:30	11/07/2016 14:15
EP-33	1602114-02	Soil	11/07/2016 12:15	11/07/2016 14:15
DUP-1	1602114-03	Soil	11/07/2016 12:20	11/07/2016 14:15

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
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MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

PEST/PCB

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-32
Lab Sample ID: 1602114-01
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:30	Prep Date:	11/09/16 05:33	Matrix:	Soil
Percent Solids:	27.00	Prep Method:	EPA 3550B	File ID:	G18486.D
Prep Batch:	B6K0902	Sequence:	S6K1103	Analyzed:	11/11/16 13:16
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	2.44	2.44	U
319-85-7	beta-BHC	ND	2.44	2.44	U
319-86-8	delta-BHC	ND	2.44	2.44	U
58-89-9	gamma-BHC [Lindane]	ND	2.44	2.44	U
76-44-8	Heptachlor	ND	2.44	2.44	U
309-00-2	Aldrin	ND	2.44	2.44	U
1024-57-3	Heptachlor Epoxide	ND	2.44	2.44	U
959-98-8	Endosulfan I	ND	2.44	2.44	U
60-57-1	Dieldrin	ND	4.93	4.93	U
72-55-9	4,4'-DDE	ND	4.93	4.93	U
72-20-8	Endrin	ND	4.93	4.93	U
33213-65-9	Endosulfan II	ND	4.93	4.93	U
72-54-8	4,4'-DDD	ND	4.93	4.93	U
1031-07-8	Endosulfan sulfate	ND	4.93	4.93	U
50-29-3	4,4'-DDT	ND	4.93	4.93	U
72-43-5	Methoxychlor	ND	7.41	24.7	U
53494-70-5	Endrin ketone	ND	4.93	4.93	U
7421-93-4	Endrin aldehyde	ND	4.93	4.93	U
5103-71-9	alpha-Chlordane	ND	2.44	2.44	U
5566-34-7	gamma-Chlordane	ND	2.44	2.44	U
8001-35-2	Toxaphene	ND	123	123	U
12674-11-2	Aroclor-1016	ND	61.5	123	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-32
Lab Sample ID: 1602114-01
Project: 255 East 138th Street
Work Order: 1602114

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Percent Solids:	27.00	Prep Method:	EPA 3550B	File ID:	G18486.D
Prep Batch:	B6K0902	Sequence:	S6K1103	Analyzed:	11/11/16 13:16
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	61.5	123	U
11141-16-5	Aroclor-1232	ND	61.5	123	U
53469-21-9	Aroclor-1242	ND	61.5	123	U
12672-29-6	Aroclor-1248	ND	61.5	123	U
11097-69-1	Aroclor-1254	ND	61.5	123	U
11096-82-5	Aroclor-1260	ND	61.5	123	U
37324-23-5	Aroclor-1262	ND	61.5	123	U
11100-14-4	Aroclor-1268	ND	61.5	123	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	42.5%	30-150
Tetrachloro-m-xylene [2C]	49.2%	30-150
Decachlorobiphenyl	51.6%	30-150
Decachlorobiphenyl [2C]	66.0%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
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E - Concentration exceeds highest calibration standard
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Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/09/16 05:33	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 3550B	File ID:	G18487.D
Prep Batch:	B6K0902	Sequence:	S6K1103	Analyzed:	11/11/16 13:46
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.763	0.763	U
319-85-7	beta-BHC	ND	0.763	0.763	U
319-86-8	delta-BHC	ND	0.763	0.763	U
58-89-9	gamma-BHC [Lindane]	ND	0.763	0.763	U
76-44-8	Heptachlor	ND	0.763	0.763	U
309-00-2	Aldrin	ND	0.763	0.763	U
1024-57-3	Heptachlor Epoxide	ND	0.763	0.763	U
959-98-8	Endosulfan I	ND	0.763	0.763	U
60-57-1	Dieldrin	ND	1.54	1.54	U
72-55-9	4,4'-DDE	ND	1.54	1.54	U
72-20-8	Endrin	ND	1.54	1.54	U
33213-65-9	Endosulfan II	ND	1.54	1.54	U
72-54-8	4,4'-DDD	ND	1.54	1.54	U
1031-07-8	Endosulfan sulfate	ND	1.54	1.54	U
50-29-3	4,4'-DDT	ND	1.54	1.54	U
72-43-5	Methoxychlor	ND	2.31	7.70	U
53494-70-5	Endrin ketone	ND	1.54	1.54	U
7421-93-4	Endrin aldehyde	ND	1.54	1.54	U
5103-71-9	alpha-Chlordane	ND	0.763	0.763	U
5566-34-7	gamma-Chlordane	ND	0.763	0.763	U
8001-35-2	Toxaphene	ND	38.5	38.5	U
12674-11-2	Aroclor-1016	ND	19.2	38.5	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/09/16 05:33	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 3550B	File ID:	G18487.D
Prep Batch:	B6K0902	Sequence:	S6K1103	Analyzed:	11/11/16 13:46
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.2	38.5	U
11141-16-5	Aroclor-1232	ND	19.2	38.5	U
53469-21-9	Aroclor-1242	ND	19.2	38.5	U
12672-29-6	Aroclor-1248	ND	19.2	38.5	U
11097-69-1	Aroclor-1254	ND	19.2	38.5	U
11096-82-5	Aroclor-1260	ND	19.2	38.5	U
37324-23-5	Aroclor-1262	ND	19.2	38.5	U
11100-14-4	Aroclor-1268	ND	19.2	38.5	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	77.2%	30-150
Tetrachloro-m-xylene [2C]	98.8%	30-150
Decachlorobiphenyl	98.7%	30-150
Decachlorobiphenyl [2C]	116%	30-150

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B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
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RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/09/16 05:33	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 3550B	File ID:	G18488.D
Prep Batch:	B6K0902	Sequence:	S6K1103	Analyzed:	11/11/16 14:15
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.755	0.755	U
319-85-7	beta-BHC	ND	0.755	0.755	U
319-86-8	delta-BHC	ND	0.755	0.755	U
58-89-9	gamma-BHC [Lindane]	ND	0.755	0.755	U
76-44-8	Heptachlor	ND	0.755	0.755	U
309-00-2	Aldrin	ND	0.755	0.755	U
1024-57-3	Heptachlor Epoxide	ND	0.755	0.755	U
959-98-8	Endosulfan I	ND	0.755	0.755	U
60-57-1	Dieldrin	ND	1.52	1.52	U
72-55-9	4,4'-DDE	ND	1.52	1.52	U
72-20-8	Endrin	ND	1.52	1.52	U
33213-65-9	Endosulfan II	ND	1.52	1.52	U
72-54-8	4,4'-DDD	ND	1.52	1.52	U
1031-07-8	Endosulfan sulfate	ND	1.52	1.52	U
50-29-3	4,4'-DDT	ND	1.52	1.52	U
72-43-5	Methoxychlor	ND	2.29	7.62	U
53494-70-5	Endrin ketone	ND	1.52	1.52	U
7421-93-4	Endrin aldehyde	ND	1.52	1.52	U
5103-71-9	alpha-Chlordane	ND	0.755	0.755	U
5566-34-7	gamma-Chlordane	ND	0.755	0.755	U
8001-35-2	Toxaphene	ND	38.1	38.1	U
12674-11-2	Aroclor-1016	ND	19.0	38.1	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/09/16 05:33	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 3550B	File ID:	G18488.D
Prep Batch:	B6K0902	Sequence:	S6K1103	Analyzed:	11/11/16 14:15
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.0	38.1	U
11141-16-5	Aroclor-1232	ND	19.0	38.1	U
53469-21-9	Aroclor-1242	ND	19.0	38.1	U
12672-29-6	Aroclor-1248	ND	19.0	38.1	U
11097-69-1	Aroclor-1254	ND	19.0	38.1	U
11096-82-5	Aroclor-1260	ND	19.0	38.1	U
37324-23-5	Aroclor-1262	ND	19.0	38.1	U
11100-14-4	Aroclor-1268	ND	19.0	38.1	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	87.0%	30-150
Tetrachloro-m-xylene [2C]	105%	30-150
Decachlorobiphenyl	103%	30-150
Decachlorobiphenyl [2C]	115%	30-150

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Accredited Analytical Resources, LLC.

SEMIVOLATILES

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-32
Lab Sample ID: 1602114-01
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:30	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	27.00	Prep Method:	EPA 3550B GCMS	File ID:	E11561.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 18:11
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	123	619	U
108-95-2	Phenol	ND	123	619	U
111-44-4	bis(2-chloroethyl)ether	ND	123	619	U
95-57-8	2-Chlorophenol	ND	123	619	U
541-73-1	1,3-Dichlorobenzene	ND	123	619	U
106-46-7	1,4-Dichlorobenzene	ND	123	619	U
100-51-6	Benzyl alcohol	ND	123	619	U
95-50-1	1,2-Dichlorobenzene	ND	123	619	U
95-48-7	2-Methylphenol	ND	123	619	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	123	619	U
106-44-5	3 & 4-Methylphenol	ND	123	619	U
621-64-7	N-Nitroso-di-n-propylamine	ND	123	619	U
67-72-1	Hexachloroethane	ND	123	619	U
98-95-3	Nitrobenzene	ND	123	619	U
78-59-1	Isophorone	ND	123	619	U
88-75-5	2-Nitrophenol	ND	123	619	U
105-67-9	2,4-Dimethylphenol	ND	123	619	U
65-85-0	Benzoic acid	ND	307	1230	U
111-91-1	bis(2-chloroethoxy)methane	ND	123	619	U
120-83-2	2,4-Dichlorophenol	ND	123	619	U
120-82-1	1,2,4-Trichlorobenzene	ND	123	619	U
91-20-3	Naphthalene	ND	123	619	U
106-47-8	4-Chloroaniline	ND	123	619	U
87-68-3	Hexachlorobutadiene	ND	123	619	U
59-50-7	4-Chloro-3-methylphenol	ND	123	619	U
91-57-6	2-Methylnaphthylene	ND	123	619	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

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Client Sample ID: EP-32
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Project: 255 East 138th Street
Work Order: 1602114

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Percent Solids:	27.00	Prep Method:	EPA 3550B GCMS	File ID:	E11561.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 18:11
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	123	619	U
88-06-2	2,4,6-Trichlorophenol	ND	123	619	U
95-95-4	2,4,5-Trichlorophenol	ND	123	619	U
91-58-7	2-Chloronaphthalene	ND	123	619	U
88-74-4	2-Nitroaniline	ND	123	619	U
131-11-3	Dimethylphthalate	ND	123	619	U
208-96-8	Acenaphthylene	ND	123	619	U
99-09-2	3-Nitroaniline	ND	123	619	U
83-32-9	Acenaphthene	ND	123	619	U
51-28-5	2,4-Dinitrophenol	ND	123	1230	U
100-02-7	4-Nitrophenol	ND	123	619	U
132-64-9	Dibenzofuran	ND	123	619	U
606-20-2	2,6-Dinitrotoluene	ND	123	619	U
121-14-2	2,4-Dinitrotoluene	ND	123	619	U
84-66-2	Diethyl phthalate	ND	123	619	U
7005-72-3	4-Chlorophenyl-phenylether	ND	123	619	U
86-73-7	Fluorene	ND	123	619	U
100-01-6	4-Nitroaniline	ND	123	619	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	123	619	U
86-30-6	N-Nitrosodiphenylamine	ND	123	619	U
101-55-3	4-Bromophenyl-phenylether	ND	123	619	U
118-74-1	Hexachlorobenzene	ND	123	619	U
87-86-5	Pentachlorophenol	ND	123	619	U
85-01-8	Phenanthrene	815	123	619	
120-12-7	Anthracene	141	123	619	J
84-74-2	Di-n-butyl phthalate	ND	123	619	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
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Percent Solids:	27.00	Prep Method:	EPA 3550B GCMS	File ID:	E11561.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 18:11
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	959	123	619	
129-00-0	Pyrene	1090	123	619	
85-68-7	Butylbenzylphthalate	ND	123	619	U
91-94-1	3,3'-Dichlorobenzidine	ND	307	619	U
56-55-3	Benzo[a]anthracene	431	123	619	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	123	619	U
218-01-9	Chrysene	482	123	619	J
117-84-0	Di-n-octyl phthalate	ND	123	619	U
205-99-2	Benzo[b]fluoranthene	520	123	619	J
207-08-9	Benzo[k]fluoranthene	174	123	619	J
50-32-8	Benzo[a]pyrene	420	123	619	J
193-39-5	Indeno(1,2,3-cd)pyrene	261	123	619	J
53-70-3	Dibenzo(a,h)anthracene	ND	123	619	U
191-24-2	Benzo[ghi]perylene	294	123	619	J

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	53%	30-130
Phenol-d5	59%	30-130
Nitrobenzene-d5	72%	30-130
2-Fluorobiphenyl	83%	30-130
2,4,6-Tribromophenol	80%	30-130
Terphenyl-d14	99%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 3550B GCMS	File ID:	E11556.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 14:35
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	38.5	193	U
108-95-2	Phenol	ND	38.5	193	U
111-44-4	bis(2-chloroethyl)ether	ND	38.5	193	U
95-57-8	2-Chlorophenol	ND	38.5	193	U
541-73-1	1,3-Dichlorobenzene	ND	38.5	193	U
106-46-7	1,4-Dichlorobenzene	ND	38.5	193	U
100-51-6	Benzyl alcohol	ND	38.5	193	U
95-50-1	1,2-Dichlorobenzene	ND	38.5	193	U
95-48-7	2-Methylphenol	ND	38.5	193	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	38.5	193	U
106-44-5	3 & 4-Methylphenol	ND	38.5	193	U
621-64-7	N-Nitroso-di-n-propylamine	ND	38.5	193	U
67-72-1	Hexachloroethane	ND	38.5	193	U
98-95-3	Nitrobenzene	ND	38.5	193	U
78-59-1	Isophorone	ND	38.5	193	U
88-75-5	2-Nitrophenol	ND	38.5	193	U
105-67-9	2,4-Dimethylphenol	ND	38.5	193	U
65-85-0	Benzoic acid	ND	96.0	385	U
111-91-1	bis(2-chloroethoxy)methane	ND	38.5	193	U
120-83-2	2,4-Dichlorophenol	ND	38.5	193	U
120-82-1	1,2,4-Trichlorobenzene	ND	38.5	193	U
91-20-3	Naphthalene	10300	38.5	193	E
106-47-8	4-Chloroaniline	ND	38.5	193	U
87-68-3	Hexachlorobutadiene	ND	38.5	193	U
59-50-7	4-Chloro-3-methylphenol	ND	38.5	193	U
91-57-6	2-Methylnaphthylene	10200	38.5	193	E

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 3550B GCMS	File ID:	E11556.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 14:35
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	38.5	193	U
88-06-2	2,4,6-Trichlorophenol	ND	38.5	193	U
95-95-4	2,4,5-Trichlorophenol	ND	38.5	193	U
91-58-7	2-Chloronaphthalene	ND	38.5	193	U
88-74-4	2-Nitroaniline	ND	38.5	193	U
131-11-3	Dimethylphthalate	ND	38.5	193	U
208-96-8	Acenaphthylene	ND	38.5	193	U
99-09-2	3-Nitroaniline	ND	38.5	193	U
83-32-9	Acenaphthene	42.7	38.5	193	J
51-28-5	2,4-Dinitrophenol	ND	38.5	385	U
100-02-7	4-Nitrophenol	ND	38.5	193	U
132-64-9	Dibenzofuran	ND	38.5	193	U
606-20-2	2,6-Dinitrotoluene	ND	38.5	193	U
121-14-2	2,4-Dinitrotoluene	ND	38.5	193	U
84-66-2	Diethyl phthalate	ND	38.5	193	U
7005-72-3	4-Chlorophenyl-phenylether	ND	38.5	193	U
86-73-7	Fluorene	113	38.5	193	J
100-01-6	4-Nitroaniline	ND	38.5	193	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	38.5	193	U
86-30-6	N-Nitrosodiphenylamine	ND	38.5	193	U
101-55-3	4-Bromophenyl-phenylether	ND	38.5	193	U
118-74-1	Hexachlorobenzene	ND	38.5	193	U
87-86-5	Pentachlorophenol	ND	38.5	193	U
85-01-8	Phenanthrene	215	38.5	193	
120-12-7	Anthracene	53.5	38.5	193	J
84-74-2	Di-n-butyl phthalate	ND	38.5	193	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 3550B GCMS	File ID:	E11556.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 14:35
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	114	38.5	193	J
129-00-0	Pyrene	116	38.5	193	J
85-68-7	Butylbenzylphthalate	ND	38.5	193	U
91-94-1	3,3'-Dichlorobenzidine	ND	96.0	193	U
56-55-3	Benzo[a]anthracene	50.6	38.5	193	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	38.5	193	U
218-01-9	Chrysene	48.4	38.5	193	J
117-84-0	Di-n-octyl phthalate	ND	38.5	193	U
205-99-2	Benzo[b]fluoranthene	ND	38.5	193	U
207-08-9	Benzo[k]fluoranthene	ND	38.5	193	U
50-32-8	Benzo[a]pyrene	ND	38.5	193	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38.5	193	U
53-70-3	Dibenzo(a,h)anthracene	ND	38.5	193	U
191-24-2	Benzo[ghi]perylene	ND	38.5	193	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	58%	30-130
Phenol-d5	65%	30-130
Nitrobenzene-d5	66%	30-130
2-Fluorobiphenyl	79%	30-130
2,4,6-Tribromophenol	91%	30-130
Terphenyl-d14	91%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02RE1
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 3550B GCMS	File ID:	E11558.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 16:01
Dilution:	10			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	385	1930	U
108-95-2	Phenol	ND	385	1930	U
111-44-4	bis(2-chloroethyl)ether	ND	385	1930	U
95-57-8	2-Chlorophenol	ND	385	1930	U
541-73-1	1,3-Dichlorobenzene	ND	385	1930	U
106-46-7	1,4-Dichlorobenzene	ND	385	1930	U
100-51-6	Benzyl alcohol	ND	385	1930	U
95-50-1	1,2-Dichlorobenzene	ND	385	1930	U
95-48-7	2-Methylphenol	ND	385	1930	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	385	1930	U
106-44-5	3 & 4-Methylphenol	ND	385	1930	U
621-64-7	N-Nitroso-di-n-propylamine	ND	385	1930	U
67-72-1	Hexachloroethane	ND	385	1930	U
98-95-3	Nitrobenzene	ND	385	1930	U
78-59-1	Isophorone	ND	385	1930	U
88-75-5	2-Nitrophenol	ND	385	1930	U
105-67-9	2,4-Dimethylphenol	ND	385	1930	U
65-85-0	Benzoic acid	ND	960	3850	U
111-91-1	bis(2-chloroethoxy)methane	ND	385	1930	U
120-83-2	2,4-Dichlorophenol	ND	385	1930	U
120-82-1	1,2,4-Trichlorobenzene	ND	385	1930	U
91-20-3	Naphthalene	14200	385	1930	D
106-47-8	4-Chloroaniline	ND	385	1930	U
87-68-3	Hexachlorobutadiene	ND	385	1930	U
59-50-7	4-Chloro-3-methylphenol	ND	385	1930	U
91-57-6	2-Methylnaphthylene	11300	385	1930	D

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02RE1
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 3550B GCMS	File ID:	E11558.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 16:01
Dilution:	10			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	385	1930	U
88-06-2	2,4,6-Trichlorophenol	ND	385	1930	U
95-95-4	2,4,5-Trichlorophenol	ND	385	1930	U
91-58-7	2-Chloronaphthalene	ND	385	1930	U
88-74-4	2-Nitroaniline	ND	385	1930	U
131-11-3	Dimethylphthalate	ND	385	1930	U
208-96-8	Acenaphthylene	ND	385	1930	U
99-09-2	3-Nitroaniline	ND	385	1930	U
83-32-9	Acenaphthene	ND	385	1930	U
51-28-5	2,4-Dinitrophenol	ND	385	3850	U
100-02-7	4-Nitrophenol	ND	385	1930	U
132-64-9	Dibenzofuran	ND	385	1930	U
606-20-2	2,6-Dinitrotoluene	ND	385	1930	U
121-14-2	2,4-Dinitrotoluene	ND	385	1930	U
84-66-2	Diethyl phthalate	ND	385	1930	U
7005-72-3	4-Chlorophenyl-phenylether	ND	385	1930	U
86-73-7	Fluorene	ND	385	1930	U
100-01-6	4-Nitroaniline	ND	385	1930	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	385	1930	U
86-30-6	N-Nitrosodiphenylamine	ND	385	1930	U
101-55-3	4-Bromophenyl-phenylether	ND	385	1930	U
118-74-1	Hexachlorobenzene	ND	385	1930	U
87-86-5	Pentachlorophenol	ND	385	1930	U
85-01-8	Phenanthrene	ND	385	1930	U
120-12-7	Anthracene	ND	385	1930	U
84-74-2	Di-n-butyl phthalate	ND	385	1930	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02RE1
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 3550B GCMS	File ID:	E11558.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 16:01
Dilution:	10			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	ND	385	1930	U
129-00-0	Pyrene	ND	385	1930	U
85-68-7	Butylbenzylphthalate	ND	385	1930	U
91-94-1	3,3'-Dichlorobenzidine	ND	960	1930	U
56-55-3	Benzo[a]anthracene	ND	385	1930	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	385	1930	U
218-01-9	Chrysene	ND	385	1930	U
117-84-0	Di-n-octyl phthalate	ND	385	1930	U
205-99-2	Benzo[b]fluoranthene	ND	385	1930	U
207-08-9	Benzo[k]fluoranthene	ND	385	1930	U
50-32-8	Benzo[a]pyrene	ND	385	1930	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	385	1930	U
53-70-3	Dibenzo(a,h)anthracene	ND	385	1930	U
191-24-2	Benzo[ghi]perylene	ND	385	1930	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	56%	30-130
Phenol-d5	63%	30-130
Nitrobenzene-d5	72%	30-130
2-Fluorobiphenyl	81%	30-130
2,4,6-Tribromophenol	68%	30-130
Terphenyl-d14	95%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 3550B GCMS	File ID:	E11557.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 15:18
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	38.1	191	U
108-95-2	Phenol	ND	38.1	191	U
111-44-4	bis(2-chloroethyl)ether	ND	38.1	191	U
95-57-8	2-Chlorophenol	ND	38.1	191	U
541-73-1	1,3-Dichlorobenzene	ND	38.1	191	U
106-46-7	1,4-Dichlorobenzene	ND	38.1	191	U
100-51-6	Benzyl alcohol	ND	38.1	191	U
95-50-1	1,2-Dichlorobenzene	ND	38.1	191	U
95-48-7	2-Methylphenol	ND	38.1	191	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	38.1	191	U
106-44-5	3 & 4-Methylphenol	ND	38.1	191	U
621-64-7	N-Nitroso-di-n-propylamine	ND	38.1	191	U
67-72-1	Hexachloroethane	ND	38.1	191	U
98-95-3	Nitrobenzene	ND	38.1	191	U
78-59-1	Isophorone	ND	38.1	191	U
88-75-5	2-Nitrophenol	ND	38.1	191	U
105-67-9	2,4-Dimethylphenol	ND	38.1	191	U
65-85-0	Benzoic acid	ND	95.0	381	U
111-91-1	bis(2-chloroethoxy)methane	ND	38.1	191	U
120-83-2	2,4-Dichlorophenol	ND	38.1	191	U
120-82-1	1,2,4-Trichlorobenzene	ND	38.1	191	U
91-20-3	Naphthalene	1190	38.1	191	
106-47-8	4-Chloroaniline	ND	38.1	191	U
87-68-3	Hexachlorobutadiene	ND	38.1	191	U
59-50-7	4-Chloro-3-methylphenol	ND	38.1	191	U
91-57-6	2-Methylnaphthylene	1140	38.1	191	

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 3550B GCMS	File ID:	E11557.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 15:18
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	38.1	191	U
88-06-2	2,4,6-Trichlorophenol	ND	38.1	191	U
95-95-4	2,4,5-Trichlorophenol	ND	38.1	191	U
91-58-7	2-Chloronaphthalene	ND	38.1	191	U
88-74-4	2-Nitroaniline	ND	38.1	191	U
131-11-3	Dimethylphthalate	ND	38.1	191	U
208-96-8	Acenaphthylene	ND	38.1	191	U
99-09-2	3-Nitroaniline	ND	38.1	191	U
83-32-9	Acenaphthene	ND	38.1	191	U
51-28-5	2,4-Dinitrophenol	ND	38.1	381	U
100-02-7	4-Nitrophenol	ND	38.1	191	U
132-64-9	Dibenzofuran	ND	38.1	191	U
606-20-2	2,6-Dinitrotoluene	ND	38.1	191	U
121-14-2	2,4-Dinitrotoluene	ND	38.1	191	U
84-66-2	Diethyl phthalate	ND	38.1	191	U
7005-72-3	4-Chlorophenyl-phenylether	ND	38.1	191	U
86-73-7	Fluorene	ND	38.1	191	U
100-01-6	4-Nitroaniline	ND	38.1	191	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	38.1	191	U
86-30-6	N-Nitrosodiphenylamine	ND	38.1	191	U
101-55-3	4-Bromophenyl-phenylether	ND	38.1	191	U
118-74-1	Hexachlorobenzene	ND	38.1	191	U
87-86-5	Pentachlorophenol	ND	38.1	191	U
85-01-8	Phenanthrene	ND	38.1	191	U
120-12-7	Anthracene	ND	38.1	191	U
84-74-2	Di-n-butyl phthalate	ND	38.1	191	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/09/16 05:29	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 3550B GCMS	File ID:	E11557.D
Prep Batch:	B6K0901	Sequence:	S6K0908	Analyzed:	11/09/16 15:18
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	ND	38.1	191	U
129-00-0	Pyrene	ND	38.1	191	U
85-68-7	Butylbenzylphthalate	ND	38.1	191	U
91-94-1	3,3'-Dichlorobenzidine	ND	95.0	191	U
56-55-3	Benzo[a]anthracene	ND	38.1	191	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	38.1	191	U
218-01-9	Chrysene	ND	38.1	191	U
117-84-0	Di-n-octyl phthalate	ND	38.1	191	U
205-99-2	Benzo[b]fluoranthene	ND	38.1	191	U
207-08-9	Benzo[k]fluoranthene	ND	38.1	191	U
50-32-8	Benzo[a]pyrene	ND	38.1	191	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38.1	191	U
53-70-3	Dibenzo(a,h)anthracene	ND	38.1	191	U
191-24-2	Benzo[ghi]perylene	ND	38.1	191	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	59%	30-130
Phenol-d5	62%	30-130
Nitrobenzene-d5	76%	30-130
2-Fluorobiphenyl	78%	30-130
2,4,6-Tribromophenol	77%	30-130
Terphenyl-d14	94%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-32
Lab Sample ID: 1602114-01
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:30	Prep Date:	11/11/16 15:12	Matrix:	Soil
Percent Solids:	27.00	Prep Method:	EPA 5035A	File ID:	A10263.D
Prep Batch:	B6K1113	Sequence:	S6K1109	Analyzed:	11/11/16 15:12
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	33.2	55.3	U
107-13-1	Acrylonitrile	ND	11.1	55.3	U
67-64-1	Acetone	129	5.53	11.1	B
75-71-8	Dichlorodifluoromethane	ND	5.53	11.1	U
74-87-3	Chloromethane	ND	5.53	11.1	U
75-01-4	Vinyl chloride	ND	5.53	11.1	U
74-83-9	Bromomethane	ND	5.53	11.1	U
75-00-3	Chloroethane	ND	5.53	11.1	U
75-69-4	Trichlorofluoromethane	ND	5.53	11.1	U
75-35-4	1,1-Dichloroethene	ND	5.53	11.1	U
75-15-0	Carbon disulfide	ND	5.53	11.1	U
75-09-2	Methylene Chloride	ND	5.53	11.1	U
156-60-5	trans-1,2-Dichloroethene	ND	5.53	11.1	U
75-34-3	1,1-Dichloroethane	ND	5.53	11.1	U
108-05-4	Vinyl acetate	ND	5.53	11.1	U
590-20-7	2,2-Dichloropropane	ND	5.53	11.1	U
78-93-3	2-Butanone	44.4	5.53	11.1	
156-59-4	cis-1,2-Dichloroethene	ND	5.53	11.1	U
67-66-3	Chloroform	ND	5.53	11.1	U
74-97-5	Bromochloromethane	ND	5.53	11.1	U
71-55-6	1,1,1-Trichloroethane	ND	5.53	11.1	U
563-58-6	1,1-Dichloropropene	ND	5.53	11.1	U
56-23-5	Carbon Tetrachloride	ND	5.53	11.1	U
107-06-2	1,2-Dichloroethane	ND	5.53	11.1	U
71-43-2	Benzene	ND	5.53	11.1	U
79-01-6	Trichloroethene	ND	5.53	11.1	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-32
Lab Sample ID: 1602114-01
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:30	Prep Date:	11/11/16 15:12	Matrix:	Soil
Percent Solids:	27.00	Prep Method:	EPA 5035A	File ID:	A10263.D
Prep Batch:	B6K1113	Sequence:	S6K1109	Analyzed:	11/11/16 15:12
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	5.53	11.1	U
75-27-4	Bromodichloromethane	ND	5.53	11.1	U
74-95-3	Dibromomethane	ND	5.53	11.1	U
110-75-8	2-Chloroethyl vinyl ether	ND	5.53	11.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.53	11.1	U
108-88-3	Toluene	ND	5.53	11.1	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.53	11.1	U
79-00-5	1,1,2-Trichloroethane	ND	5.53	11.1	U
108-10-1	4-Methyl-2-pentanone	ND	5.53	11.1	U
106-93-4	1,2-Dibromoethane	ND	5.53	11.1	U
591-78-6	2-Hexanone	ND	5.53	11.1	U
142-28-9	1,3-Dichloropropane	ND	5.53	11.1	U
127-18-4	Tetrachloroethene	ND	5.53	11.1	U
124-48-1	Dibromochloromethane	ND	5.53	11.1	U
100-41-4	Ethylbenzene	ND	5.53	11.1	U
108-90-7	Chlorobenzene	ND	5.53	11.1	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.53	11.1	U
108-38-3/106-42	m,p-Xylenes	ND	11.1	22.1	U
95-47-6	o-Xylene	ND	11.1	22.1	U
100-42-5	Styrene	ND	5.53	22.1	U
75-25-2	Bromoform	ND	5.53	11.1	U
98-82-8	Isopropylbenzene	ND	5.53	11.1	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.53	11.1	U
96-18-4	1,2,3-Trichloropropane	ND	5.53	11.1	U
103-65-1	n-Propyl Benzene	ND	5.53	11.1	U
108-86-1	Bromobenzene	ND	5.53	11.1	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-32
Lab Sample ID: 1602114-01
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:30	Prep Date:	11/11/16 15:12	Matrix:	Soil
Percent Solids:	27.00	Prep Method:	EPA 5035A	File ID:	A10263.D
Prep Batch:	B6K1113	Sequence:	S6K1109	Analyzed:	11/11/16 15:12
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	5.53	11.1	U
95-49-8	2-Chlorotoluene	ND	5.53	11.1	U
106-43-4	4-Chlorotoluene	ND	5.53	11.1	U
98-06-6	tert-Butylbenzene	ND	5.53	11.1	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.53	11.1	U
135-98-8	sec-Butylbenzene	ND	5.53	11.1	U
99-87-6	p-Isopropyltoluene	ND	5.53	11.1	U
541-73-1	1,3-Dichlorobenzene	ND	5.53	11.1	U
106-46-7	1,4-Dichlorobenzene	ND	5.53	11.1	U
104-51-8	n-Butyl Benzene	ND	5.53	11.1	U
95-50-1	1,2-Dichlorobenzene	ND	5.53	11.1	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.53	11.1	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.53	11.1	U
87-68-3	Hexachlorobutadiene	ND	5.53	11.1	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.53	11.1	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	114%	70-130
Toluene-d8	94%	70-130
Bromofluorobenzene	71%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/08/16 19:00	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 5035A	File ID:	A10230.D
Prep Batch:	B6K0818	Sequence:	S6K0809	Analyzed:	11/08/16 19:00
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	5.88	9.80	U
107-13-1	Acrylonitrile	ND	1.96	9.80	U
67-64-1	Acetone	21.4	0.980	1.96	
75-71-8	Dichlorodifluoromethane	ND	0.980	1.96	U
74-87-3	Chloromethane	ND	0.980	1.96	U
75-01-4	Vinyl chloride	ND	0.980	1.96	U
74-83-9	Bromomethane	ND	0.980	1.96	U
75-00-3	Chloroethane	ND	0.980	1.96	U
75-69-4	Trichlorofluoromethane	ND	0.980	1.96	U
75-35-4	1,1-Dichloroethene	ND	0.980	1.96	U
75-15-0	Carbon disulfide	ND	0.980	1.96	U
75-09-2	Methylene Chloride	ND	0.980	1.96	U
156-60-5	trans-1,2-Dichloroethene	ND	0.980	1.96	U
75-34-3	1,1-Dichloroethane	ND	0.980	1.96	U
108-05-4	Vinyl acetate	ND	0.980	1.96	U
590-20-7	2,2-Dichloropropane	ND	0.980	1.96	U
78-93-3	2-Butanone	ND	0.980	1.96	U
156-59-4	cis-1,2-Dichloroethene	ND	0.980	1.96	U
67-66-3	Chloroform	ND	0.980	1.96	U
74-97-5	Bromochloromethane	ND	0.980	1.96	U
71-55-6	1,1,1-Trichloroethane	ND	0.980	1.96	U
563-58-6	1,1-Dichloropropene	ND	0.980	1.96	U
56-23-5	Carbon Tetrachloride	ND	0.980	1.96	U
107-06-2	1,2-Dichloroethane	ND	0.980	1.96	U
71-43-2	Benzene	ND	0.980	1.96	U
79-01-6	Trichloroethene	ND	0.980	1.96	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/08/16 19:00	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 5035A	File ID:	A10230.D
Prep Batch:	B6K0818	Sequence:	S6K0809	Analyzed:	11/08/16 19:00
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	0.980	1.96	U
75-27-4	Bromodichloromethane	ND	0.980	1.96	U
74-95-3	Dibromomethane	ND	0.980	1.96	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.980	1.96	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.980	1.96	U
108-88-3	Toluene	ND	0.980	1.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.980	1.96	U
79-00-5	1,1,2-Trichloroethane	ND	0.980	1.96	U
108-10-1	4-Methyl-2-pentanone	ND	0.980	1.96	U
106-93-4	1,2-Dibromoethane	ND	0.980	1.96	U
591-78-6	2-Hexanone	ND	0.980	1.96	U
142-28-9	1,3-Dichloropropane	ND	0.980	1.96	U
127-18-4	Tetrachloroethene	ND	0.980	1.96	U
124-48-1	Dibromochloromethane	ND	0.980	1.96	U
100-41-4	Ethylbenzene	13.0	0.980	1.96	
108-90-7	Chlorobenzene	ND	0.980	1.96	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.980	1.96	U
108-38-3/106-42	m,p-Xylenes	ND	1.96	3.92	U
95-47-6	o-Xylene	ND	1.96	3.92	U
100-42-5	Styrene	ND	0.980	3.92	U
75-25-2	Bromoform	ND	0.980	1.96	U
98-82-8	Isopropylbenzene	37.3	0.980	1.96	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.980	1.96	U
96-18-4	1,2,3-Trichloropropane	ND	0.980	1.96	U
103-65-1	n-Propyl Benzene	103	0.980	1.96	
108-86-1	Bromobenzene	ND	0.980	1.96	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Prep Date:	11/08/16 19:00	Matrix:	Soil
Percent Solids:	86.50	Prep Method:	EPA 5035A	File ID:	A10230.D
Prep Batch:	B6K0818	Sequence:	S6K0809	Analyzed:	11/08/16 19:00
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	0.980	1.96	U
95-49-8	2-Chlorotoluene	ND	0.980	1.96	U
106-43-4	4-Chlorotoluene	ND	0.980	1.96	U
98-06-6	tert-Butylbenzene	ND	0.980	1.96	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.980	1.96	U
135-98-8	sec-Butylbenzene	ND	0.980	1.96	U
99-87-6	p-Isopropyltoluene	ND	0.980	1.96	U
541-73-1	1,3-Dichlorobenzene	ND	0.980	1.96	U
106-46-7	1,4-Dichlorobenzene	ND	0.980	1.96	U
104-51-8	n-Butyl Benzene	12.6	0.980	1.96	
95-50-1	1,2-Dichlorobenzene	ND	0.980	1.96	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.980	1.96	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.980	1.96	U
87-68-3	Hexachlorobutadiene	ND	0.980	1.96	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.980	1.96	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	87%	70-130
Toluene-d8	93%	70-130
Bromofluorobenzene	94%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/08/16 20:03	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 5035A	File ID:	A10232.D
Prep Batch:	B6K0818	Sequence:	S6K0809	Analyzed:	11/08/16 20:03
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	137	229	U
107-13-1	Acrylonitrile	ND	45.8	229	U
67-64-1	Acetone	ND	22.9	45.8	U
75-71-8	Dichlorodifluoromethane	ND	22.9	45.8	U
74-87-3	Chloromethane	ND	22.9	45.8	U
75-01-4	Vinyl chloride	ND	22.9	45.8	U
74-83-9	Bromomethane	ND	22.9	45.8	U
75-00-3	Chloroethane	ND	22.9	45.8	U
75-69-4	Trichlorofluoromethane	ND	22.9	45.8	U
75-35-4	1,1-Dichloroethene	ND	22.9	45.8	U
75-15-0	Carbon disulfide	ND	22.9	45.8	U
75-09-2	Methylene Chloride	ND	22.9	45.8	U
156-60-5	trans-1,2-Dichloroethene	ND	22.9	45.8	U
75-34-3	1,1-Dichloroethane	ND	22.9	45.8	U
108-05-4	Vinyl acetate	ND	22.9	45.8	U
590-20-7	2,2-Dichloropropane	ND	22.9	45.8	U
78-93-3	2-Butanone	ND	22.9	45.8	U
156-59-4	cis-1,2-Dichloroethene	ND	22.9	45.8	U
67-66-3	Chloroform	ND	22.9	45.8	U
74-97-5	Bromochloromethane	ND	22.9	45.8	U
71-55-6	1,1,1-Trichloroethane	ND	22.9	45.8	U
563-58-6	1,1-Dichloropropene	ND	22.9	45.8	U
56-23-5	Carbon Tetrachloride	ND	22.9	45.8	U
107-06-2	1,2-Dichloroethane	ND	22.9	45.8	U
71-43-2	Benzene	ND	22.9	45.8	U
79-01-6	Trichloroethene	ND	22.9	45.8	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/08/16 20:03	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 5035A	File ID:	A10232.D
Prep Batch:	B6K0818	Sequence:	S6K0809	Analyzed:	11/08/16 20:03
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	22.9	45.8	U
75-27-4	Bromodichloromethane	ND	22.9	45.8	U
74-95-3	Dibromomethane	ND	22.9	45.8	U
110-75-8	2-Chloroethyl vinyl ether	ND	22.9	45.8	U
10061-01-5	cis-1,3-Dichloropropene	ND	22.9	45.8	U
108-88-3	Toluene	ND	22.9	45.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	22.9	45.8	U
79-00-5	1,1,2-Trichloroethane	ND	22.9	45.8	U
108-10-1	4-Methyl-2-pentanone	ND	22.9	45.8	U
106-93-4	1,2-Dibromoethane	ND	22.9	45.8	U
591-78-6	2-Hexanone	ND	22.9	45.8	U
142-28-9	1,3-Dichloropropane	ND	22.9	45.8	U
127-18-4	Tetrachloroethene	ND	22.9	45.8	U
124-48-1	Dibromochloromethane	ND	22.9	45.8	U
100-41-4	Ethylbenzene	397	22.9	45.8	D
108-90-7	Chlorobenzene	ND	22.9	45.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	22.9	45.8	U
108-38-3/106-42	m,p-Xylenes	ND	45.8	91.5	U
95-47-6	o-Xylene	ND	45.8	91.5	U
100-42-5	Styrene	ND	22.9	91.5	U
75-25-2	Bromoform	ND	22.9	45.8	U
98-82-8	Isopropylbenzene	1920	22.9	45.8	D
79-34-5	1,1,2,2-Tetrachloroethane	ND	22.9	45.8	U
96-18-4	1,2,3-Trichloropropane	ND	22.9	45.8	U
103-65-1	n-Propyl Benzene	7150	22.9	45.8	E, D
108-86-1	Bromobenzene	ND	22.9	45.8	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/08/16 20:03	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 5035A	File ID:	A10232.D
Prep Batch:	B6K0818	Sequence:	S6K0809	Analyzed:	11/08/16 20:03
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	117	22.9	45.8	D
95-49-8	2-Chlorotoluene	ND	22.9	45.8	U
106-43-4	4-Chlorotoluene	ND	22.9	45.8	U
98-06-6	tert-Butylbenzene	ND	22.9	45.8	U
95-63-6	1,2,4-Trimethylbenzene	42.3	22.9	45.8	D, J
135-98-8	sec-Butylbenzene	1140	22.9	45.8	D
99-87-6	p-Isopropyltoluene	234	22.9	45.8	D
541-73-1	1,3-Dichlorobenzene	ND	22.9	45.8	U
106-46-7	1,4-Dichlorobenzene	ND	22.9	45.8	U
104-51-8	n-Butyl Benzene	2770	22.9	45.8	D
95-50-1	1,2-Dichlorobenzene	ND	22.9	45.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	22.9	45.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	22.9	45.8	U
87-68-3	Hexachlorobutadiene	ND	22.9	45.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	22.9	45.8	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	87%	70-130
Toluene-d8	91%	70-130
Bromofluorobenzene	106%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03RE1
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/11/16 15:43	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 5035A	File ID:	A10264.D
Prep Batch:	B6K1113	Sequence:	S6K1109	Analyzed:	11/11/16 15:43
Dilution:	100			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	686	1140	U
107-13-1	Acrylonitrile	ND	229	1140	U
67-64-1	Acetone	ND	114	229	U
75-71-8	Dichlorodifluoromethane	ND	114	229	U
74-87-3	Chloromethane	ND	114	229	U
75-01-4	Vinyl chloride	ND	114	229	U
74-83-9	Bromomethane	ND	114	229	U
75-00-3	Chloroethane	ND	114	229	U
75-69-4	Trichlorofluoromethane	ND	114	229	U
75-35-4	1,1-Dichloroethene	ND	114	229	U
75-15-0	Carbon disulfide	ND	114	229	U
75-09-2	Methylene Chloride	ND	114	229	U
156-60-5	trans-1,2-Dichloroethene	ND	114	229	U
75-34-3	1,1-Dichloroethane	ND	114	229	U
108-05-4	Vinyl acetate	ND	114	229	U
590-20-7	2,2-Dichloropropane	ND	114	229	U
78-93-3	2-Butanone	ND	114	229	U
156-59-4	cis-1,2-Dichloroethene	ND	114	229	U
67-66-3	Chloroform	ND	114	229	U
74-97-5	Bromochloromethane	ND	114	229	U
71-55-6	1,1,1-Trichloroethane	ND	114	229	U
563-58-6	1,1-Dichloropropene	ND	114	229	U
56-23-5	Carbon Tetrachloride	ND	114	229	U
107-06-2	1,2-Dichloroethane	ND	114	229	U
71-43-2	Benzene	ND	114	229	U
79-01-6	Trichloroethene	ND	114	229	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03RE1
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/11/16 15:43	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 5035A	File ID:	A10264.D
Prep Batch:	B6K1113	Sequence:	S6K1109	Analyzed:	11/11/16 15:43
Dilution:	100			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	114	229	U
75-27-4	Bromodichloromethane	ND	114	229	U
74-95-3	Dibromomethane	ND	114	229	U
110-75-8	2-Chloroethyl vinyl ether	ND	114	229	U
10061-01-5	cis-1,3-Dichloropropene	ND	114	229	U
108-88-3	Toluene	ND	114	229	U
10061-02-6	trans-1,3-Dichloropropene	ND	114	229	U
79-00-5	1,1,2-Trichloroethane	ND	114	229	U
108-10-1	4-Methyl-2-pentanone	ND	114	229	U
106-93-4	1,2-Dibromoethane	ND	114	229	U
591-78-6	2-Hexanone	ND	114	229	U
142-28-9	1,3-Dichloropropane	ND	114	229	U
127-18-4	Tetrachloroethene	ND	114	229	U
124-48-1	Dibromochloromethane	ND	114	229	U
100-41-4	Ethylbenzene	ND	114	229	U
108-90-7	Chlorobenzene	ND	114	229	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	114	229	U
108-38-3/106-42	m,p-Xylenes	ND	229	458	U
95-47-6	o-Xylene	ND	229	458	U
100-42-5	Styrene	ND	114	458	U
75-25-2	Bromoform	ND	114	229	U
98-82-8	Isopropylbenzene	ND	114	229	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	114	229	U
96-18-4	1,2,3-Trichloropropane	ND	114	229	U
103-65-1	n-Propyl Benzene	6640	114	229	D
108-86-1	Bromobenzene	ND	114	229	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03RE1
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Prep Date:	11/11/16 15:43	Matrix:	Soil
Percent Solids:	87.40	Prep Method:	EPA 5035A	File ID:	A10264.D
Prep Batch:	B6K1113	Sequence:	S6K1109	Analyzed:	11/11/16 15:43
Dilution:	100			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	114	229	U
95-49-8	2-Chlorotoluene	ND	114	229	U
106-43-4	4-Chlorotoluene	ND	114	229	U
98-06-6	tert-Butylbenzene	ND	114	229	U
95-63-6	1,2,4-Trimethylbenzene	ND	114	229	U
135-98-8	sec-Butylbenzene	ND	114	229	U
99-87-6	p-Isopropyltoluene	ND	114	229	U
541-73-1	1,3-Dichlorobenzene	ND	114	229	U
106-46-7	1,4-Dichlorobenzene	ND	114	229	U
104-51-8	n-Butyl Benzene	ND	114	229	U
95-50-1	1,2-Dichlorobenzene	ND	114	229	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	114	229	U
120-82-1	1,2,4-Trichlorobenzene	ND	114	229	U
87-68-3	Hexachlorobutadiene	ND	114	229	U
87-61-6	1,2,3-Trichlorobenzene	ND	114	229	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	103%	70-130
Toluene-d8	101%	70-130
Bromofluorobenzene	102%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
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E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
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RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-32
Lab Sample ID: 1602114-01
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:30	Matrix:	Soil
Percent Solids:	27.00	File ID:	110816A-019

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	13000	67.2	67.2	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7439-97-6	Mercury	ND	0.278	0.278	1	U	11/11/16 07:31	EPA 7471A	11/11/16 13:13 PRT	EPA 7471
7440-36-0	Antimony	ND	13.4	13.4	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-38-2	Arsenic	5.44	3.36	3.36	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-39-3	Barium	74.8	67.2	67.2	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-41-7	Beryllium	ND	1.68	1.68	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-43-9	Cadmium	ND	1.68	1.68	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-70-2	Calcium	8850	84.0	84.0	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-47-3	Chromium	24.8	6.72	6.72	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-48-4	Cobalt	ND	16.8	16.8	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-50-8	Copper	25.7	10.1	10.1	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7439-89-6	Iron	20600	84.0	84.0	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7439-92-1	Lead	38.9	3.36	3.36	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7439-95-4	Magnesium	6320	168	168	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7439-96-5	Manganese	167	6.72	6.72	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-02-0	Nickel	16.0	13.4	13.4	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-09-7	Potassium	1810	168	168	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7782-49-2	Selenium	ND	13.4	13.4	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-22-4	Silver	ND	1.68	1.68	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-23-5	Sodium	3520	168	168	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-28-0	Thallium	ND	5.04	10.1	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-62-2	Vanadium	37.5	16.8	16.8	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010
7440-66-6	Zinc	76.3	20.2	20.2	1		11/07/16 15:34	EPA 3050B	11/08/16 13:06 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
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J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Matrix:	Soil
Percent Solids:	86.50	File ID:	110816A-022

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	7210	18.2	18.2	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0867	0.0867	1	U	11/11/16 07:31	EPA 7471A	11/11/16 13:15 PRT	EPA 7471
7440-36-0	Antimony	ND	3.64	3.64	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-38-2	Arsenic	1.08	0.911	0.911	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-39-3	Barium	41.7	18.2	18.2	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.456	0.456	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.456	0.456	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-70-2	Calcium	8550	22.8	22.8	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-47-3	Chromium	16.1	1.82	1.82	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-48-4	Cobalt	7.27	4.56	4.56	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-50-8	Copper	18.2	2.73	2.73	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7439-89-6	Iron	15800	569	569	25	D	11/07/16 15:34	EPA 3050B	11/08/16 13:57 LIT	EPA 6010
7439-92-1	Lead	7.79	0.911	0.911	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7439-95-4	Magnesium	7720	45.6	45.6	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7439-96-5	Manganese	415	1.82	1.82	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-02-0	Nickel	12.9	3.64	3.64	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-09-7	Potassium	1690	45.6	45.6	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7782-49-2	Selenium	ND	3.64	3.64	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-22-4	Silver	ND	0.456	0.456	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-23-5	Sodium	185	45.6	45.6	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-28-0	Thallium	ND	1.37	2.73	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-62-2	Vanadium	27.5	4.56	4.56	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010
7440-66-6	Zinc	43.0	5.47	5.47	1		11/07/16 15:34	EPA 3050B	11/08/16 13:21 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:20	Matrix:	Soil
Percent Solids:	87.40	File ID:	110816A-023

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	6580	18.3	18.3	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0858	0.0858	1	U	11/11/16 07:31	EPA 7471A	11/11/16 13:17 PRT	EPA 7471
7440-36-0	Antimony	ND	3.65	3.65	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-38-2	Arsenic	0.958	0.913	0.913	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-39-3	Barium	38.2	18.3	18.3	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.457	0.457	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-43-9	Cadmium	ND	0.457	0.457	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-70-2	Calcium	8710	22.8	22.8	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-47-3	Chromium	14.3	1.83	1.83	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-48-4	Cobalt	7.10	4.57	4.57	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-50-8	Copper	17.1	2.74	2.74	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7439-89-6	Iron	15600	571	571	25	D	11/07/16 15:34	EPA 3050B	11/08/16 14:02 LIT	EPA 6010
7439-92-1	Lead	8.52	0.913	0.913	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7439-95-4	Magnesium	7580	45.7	45.7	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7439-96-5	Manganese	556	1.83	1.83	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-02-0	Nickel	11.1	3.65	3.65	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-09-7	Potassium	1530	45.7	45.7	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7782-49-2	Selenium	ND	3.65	3.65	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-22-4	Silver	ND	0.457	0.457	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-23-5	Sodium	180	45.7	45.7	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-28-0	Thallium	ND	1.37	2.74	1	U	11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-62-2	Vanadium	23.7	4.57	4.57	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010
7440-66-6	Zinc	41.1	5.48	5.48	1		11/07/16 15:34	EPA 3050B	11/08/16 13:26 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
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J - Indicates estimated value for TICs and all results when detected below the RL
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P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-32
Lab Sample ID: 1602114-01
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled: 11/07/16 12:30 Matrix: Soil
Percent Solids: 27.00 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	24.8	1.81	1.81	1		11/09/16 10:00	[CALC]	11/10/16 12:53 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	7.41	7.41	1	U	11/09/16 10:00	SW 846 3060A	11/10/16 12:53 NNM	EPA 7196A
NA	Cyanide (total)	ND	3.70	3.70	1	U	11/14/16 09:14	EPA 9010C	11/14/16 15:02 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	27.0	0.100	0.100	1		11/07/16 14:00	Percent Solids	11/08/16 09:00 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-33
Lab Sample ID: 1602114-02
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled:	11/07/16 12:15	Matrix:	Soil
Percent Solids:	86.50	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	16.1	1.58	1.58	1		11/09/16 10:00	[CALC]	11/10/16 12:53 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.31	2.31	1	U	11/09/16 10:00	SW 846 3060A	11/10/16 12:53 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.16	1.16	1	U	11/14/16 09:14	EPA 9010C	11/14/16 15:02 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	86.5	0.100	0.100	1		11/07/16 14:00	Percent Solids	11/08/16 09:00 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-1
Lab Sample ID: 1602114-03
Project: 255 East 138th Street
Work Order: 1602114

Date Sampled: 11/07/16 12:20 Matrix: Soil
Percent Solids: 87.40 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	14.3	1.60	1.60	1		11/09/16 10:00	[CALC]	11/10/16 12:53 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.29	2.29	1	U	11/09/16 10:00	SW 846 3060A	11/10/16 12:53 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.14	1.14	1	U	11/14/16 09:14	EPA 9010C	11/14/16 15:02 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	87.4	0.100	0.100	1		11/07/16 14:00	Percent Solids	11/08/16 09:00 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
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E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1602245

Client Sample ID:	Lab Sample ID:
EP-34	1602245-01
EP-35	1602245-02
EP-36	1602245-03
EP-37	1602245-04
EP-38	1602245-05
EP-39	1602245-06
EP-39	1602245-06RE1
EP-40	1602245-07
DUP-2	1602245-08

This data has been reviewed and accepted by:

Daniel Miguel 12/08/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Methodology Summary

EPA Method SW846 8081/8082:
NJ 8081A/8082
NY 8081B/8082A

Semivolatile Organic Compounds EPA Method SW846 8270:
NJ 8270C
NY 8270D

Total Mercury by SW846 7471:
NJ EPA 7471A
NY EPA 7471B

Total Metals by EPA Method SW846 6010:
NJ 6010B
NY 6010C

Volatile Organic Compounds EPA Method SW846 8260:
NJ 8260B
NY 8260C

Wet Chemistry:
Hexavalent Chromium by 3060A/7196A
Total Cyanide by EPA 9010C & EPA 9014
Percent Solids by SM 2540 G

Accredited Analytical Resources, LLC.

Internal Chain of Custody

1602245-01 (A)	*Out*	*In*
START	12/2/16 16:47 by KMC	12/2/16 16:47 by KMC
Extractions	12/5/16 8:15 by MJS	12/5/16 10:54 by MJS
Wets	12/5/16 10:54 by KMC	12/5/16 11:36 by KMC
Wets	12/5/16 11:36 by NNM	12/5/16 15:29 by NNM
Metals	12/6/16 8:04 by PRT	12/6/16 9:45 by PRT
1602245-01 (B)	*Out*	*In*
START	12/2/16 16:47 by KMC	12/2/16 16:47 by KMC
1602245-01 (C)	*Out*	*In*
START	12/2/16 16:47 by KMC	12/2/16 16:47 by KMC
1602245-01 (D)	*Out*	*In*
START	12/2/16 16:47 by KMC	12/2/16 16:47 by KMC
1602245-01RE1 (A)	*Out*	*In*
Walk-In Storage	12/6/16 15:37 by ARS	12/7/16 15:52 by ARS
Walk-In Storage	12/7/16 15:52 by DSM	by DSM
1602245-02 (A)	*Out*	*In*
START	12/2/16 16:47 by KMC	12/2/16 16:47 by KMC
Extractions	12/5/16 8:15 by MJS	12/5/16 10:54 by MJS
Wets	12/5/16 10:54 by KMC	12/5/16 11:36 by KMC
Wets	12/5/16 11:36 by NNM	12/5/16 15:29 by NNM
Metals	12/6/16 8:04 by PRT	12/6/16 9:45 by PRT
Metals	12/8/16 8:40 by PRT	by PRT
1602245-02 (B)	*Out*	*In*
START	12/2/16 16:47 by KMC	12/2/16 16:47 by KMC
1602245-02 (C)	*Out*	*In*
START	12/2/16 16:47 by KMC	12/2/16 16:47 by KMC
1602245-02 (D)	*Out*	*In*
START	12/2/16 16:47 by KMC	12/2/16 16:47 by KMC
1602245-02RE1 (D)	*Out*	*In*
VOA Storage	12/7/16 14:17 by SG	12/7/16 15:55 by SG

VOA Storage	12/7/16 15:55 by SG	by SG
1602245-03 (A)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
Extractions	12/5/16 8:15 by MJS	12/5/16 10:54 by MJS
Wets	12/5/16 10:54 by KMC	12/5/16 11:36 by KMC
Wets	12/5/16 11:36 by NNM	12/5/16 15:29 by NNM
Metals	12/6/16 8:04 by PRT	12/6/16 9:45 by PRT
Metals	12/8/16 8:40 by PRT	by PRT
1602245-03 (B)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-03 (C)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-03 (D)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-03RE1 (D)	*Out*	*In*
VOA Storage	12/7/16 16:08 by SG	by SG
1602245-04 (A)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
Extractions	12/5/16 8:15 by MJS	12/5/16 10:54 by MJS
Wets	12/5/16 10:54 by KMC	12/5/16 11:36 by KMC
Wets	12/5/16 11:36 by NNM	12/5/16 15:29 by NNM
Metals	12/6/16 8:04 by PRT	12/6/16 9:45 by PRT
Metals	12/8/16 8:40 by PRT	by PRT
1602245-04 (B)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-04 (C)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-04 (D)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-04RE1 (D)	*Out*	*In*
VOA Storage	12/7/16 14:17 by SG	12/7/16 15:55 by SG
VOA Storage	12/7/16 15:55 by SG	by SG
1602245-05 (A)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
Extractions	12/5/16 8:15 by MJS	12/5/16 10:54 by MJS
Wets	12/5/16 10:54 by KMC	12/5/16 11:36 by KMC

Wets	12/5/16 11:36 by NNM	12/5/16 15:29 by NNM
Metals	12/6/16 8:04 by PRT	12/6/16 9:45 by PRT
1602245-05 (B)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-05 (C)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-05 (D)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-06 (A)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
Extractions	12/5/16 8:15 by MJS	12/5/16 10:54 by MJS
Wets	12/5/16 10:54 by KMC	12/5/16 11:36 by KMC
Wets	12/5/16 11:36 by NNM	12/5/16 15:29 by NNM
Metals	12/6/16 8:04 by PRT	12/6/16 9:45 by PRT
Metals	12/8/16 8:40 by PRT	by PRT
1602245-06 (B)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-06 (C)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-06 (D)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-06RE1 (A)	*Out*	*In*
Walk-In Storage	12/6/16 15:37 by ARS	12/7/16 15:32 by ARS
Walk-In Storage	12/7/16 15:32 by DSM	by DSM
1602245-07 (A)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
Extractions	12/5/16 8:15 by MJS	12/5/16 10:54 by MJS
Wets	12/5/16 10:54 by KMC	12/5/16 11:36 by KMC
Wets	12/5/16 11:36 by NNM	12/5/16 15:29 by NNM
Metals	12/6/16 8:04 by PRT	12/6/16 9:45 by PRT
1602245-07 (B)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-07 (C)	*Out*	*In*
START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-07 (D)	*Out*	*In*

START	12/2/16 16:48 by KMC	12/2/16 16:48 by KMC
1602245-08 (A)	*Out*	*In*
START	12/2/16 16:49 by KMC	12/2/16 16:49 by KMC
Extractions	12/5/16 8:15 by MJS	12/5/16 10:54 by MJS
Wets	12/5/16 10:54 by KMC	12/5/16 11:36 by KMC
Wets	12/5/16 11:36 by NNM	12/5/16 15:29 by NNM
Metals	12/6/16 8:04 by PRT	12/6/16 9:45 by PRT
Metals	12/8/16 8:40 by PRT	by PRT
1602245-08 (B)	*Out*	*In*
START	12/2/16 16:49 by KMC	12/2/16 16:49 by KMC
1602245-08 (C)	*Out*	*In*
START	12/2/16 16:49 by KMC	12/2/16 16:49 by KMC
1602245-08 (D)	*Out*	*In*
START	12/2/16 16:49 by KMC	12/2/16 16:49 by KMC

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street**
Work Order: **1602245**

Received: 12/2/16 16:45

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Sean Harrison
EMAIL FOR INVOICE:	sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	NJ ZIP: 08736

AAR QUOTE #	
AAR WORK ORDER #	1602245
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	PRES. CODE →	5	5	5												AAR SAMPLE #
						CONT. CODE →	E	G	G												
							TAL ITCL	Hex Chrom	Tri Chrom												
EP-34	12/2/16 1415	S	3'	4	G		X	X	X												-01
EP-35	1424		3'																		-02
EP-36	1432		4'																		-03
EP-37	1440		5'																		-04
EP-38	1455		4'																		-05
EP-39	1505		5'																		-06
EP-40	1510		6'																		-07
DUP-2	1520		6'				X	X	X												-08

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE

PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER

TURNAROUND TIME: (CIRCLE ONE)	STANDARD	5 DAY	72 HRS. (IF BLANK STANDARD WILL APPLY)	48 HRS.	24 HRS.	OTHER X
REPORT TYPE:	RESULTS ONLY	REDUCED	FULL X	EDD	EXCEL SPREADSHEET	

COMMENTS: 3 DAY TAT on Results, 5 DAY TAT for CATB Report. NYSDEC Catagory B data deliverables.

COOLER TEMP. 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Rachael Barr SIGN:

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Rachael Barr	Print Name: K. Muniz	Print Name:	Print Name:
Signature:	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 12/2/16	Time: 1645	Date Received: / /	Time:
RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EP-34	1602245-01	Soil	12/02/2016 14:15	12/02/2016 16:45
EP-35	1602245-02	Soil	12/02/2016 14:24	12/02/2016 16:45
EP-36	1602245-03	Soil	12/02/2016 14:32	12/02/2016 16:45
EP-37	1602245-04	Soil	12/02/2016 14:40	12/02/2016 16:45
EP-38	1602245-05	Soil	12/02/2016 14:55	12/02/2016 16:45
EP-39	1602245-06	Soil	12/02/2016 15:05	12/02/2016 16:45
EP-40	1602245-07	Soil	12/02/2016 15:10	12/02/2016 16:45
DUP-2	1602245-08	Soil	12/02/2016 15:20	12/02/2016 16:45

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

PEST/PCB

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B	File ID:	A23708.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 19:30
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.831	0.831	U
319-85-7	beta-BHC	ND	0.831	0.831	U
319-86-8	delta-BHC	ND	0.831	0.831	U
58-89-9	gamma-BHC [Lindane]	ND	0.831	0.831	U
76-44-8	Heptachlor	ND	0.831	0.831	U
309-00-2	Aldrin	ND	0.831	0.831	U
1024-57-3	Heptachlor Epoxide	ND	0.831	0.831	U
959-98-8	Endosulfan I	ND	0.831	0.831	U
60-57-1	Dieldrin	ND	1.68	1.68	U
72-55-9	4,4'-DDE	ND	1.68	1.68	U
72-20-8	Endrin	ND	1.68	1.68	U
33213-65-9	Endosulfan II	ND	1.68	1.68	U
72-54-8	4,4'-DDD	ND	1.68	1.68	U
1031-07-8	Endosulfan sulfate	ND	1.68	1.68	U
50-29-3	4,4'-DDT	ND	1.68	1.68	U
72-43-5	Methoxychlor	ND	2.52	8.39	U
53494-70-5	Endrin ketone	ND	1.68	1.68	U
7421-93-4	Endrin aldehyde	ND	1.68	1.68	U
5103-71-9	alpha-Chlordane	ND	0.831	0.831	U
5566-34-7	gamma-Chlordane	ND	0.831	0.831	U
8001-35-2	Toxaphene	ND	41.9	41.9	U
12674-11-2	Aroclor-1016	ND	20.9	41.9	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B	File ID:	A23708.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 19:30
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.9	41.9	U
11141-16-5	Aroclor-1232	ND	20.9	41.9	U
53469-21-9	Aroclor-1242	ND	20.9	41.9	U
12672-29-6	Aroclor-1248	ND	20.9	41.9	U
11097-69-1	Aroclor-1254	ND	20.9	41.9	U
11096-82-5	Aroclor-1260	ND	20.9	41.9	U
37324-23-5	Aroclor-1262	ND	20.9	41.9	U
11100-14-4	Aroclor-1268	ND	20.9	41.9	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	67.3%	30-150
Tetrachloro-m-xylene [2C]	74.8%	30-150
Decachlorobiphenyl	70.1%	30-150
Decachlorobiphenyl [2C]	99.6%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	76.70	Prep Method:	EPA 3550B	File ID:	A23709.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 19:59
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.860	0.860	U
319-85-7	beta-BHC	ND	0.860	0.860	U
319-86-8	delta-BHC	ND	0.860	0.860	U
58-89-9	gamma-BHC [Lindane]	ND	0.860	0.860	U
76-44-8	Heptachlor	ND	0.860	0.860	U
309-00-2	Aldrin	ND	0.860	0.860	U
1024-57-3	Heptachlor Epoxide	ND	0.860	0.860	U
959-98-8	Endosulfan I	ND	0.860	0.860	U
60-57-1	Dieldrin	ND	1.73	1.73	U
72-55-9	4,4'-DDE	ND	1.73	1.73	U
72-20-8	Endrin	ND	1.73	1.73	U
33213-65-9	Endosulfan II	ND	1.73	1.73	U
72-54-8	4,4'-DDD	ND	1.73	1.73	U
1031-07-8	Endosulfan sulfate	ND	1.73	1.73	U
50-29-3	4,4'-DDT	ND	1.73	1.73	U
72-43-5	Methoxychlor	ND	2.61	8.68	U
53494-70-5	Endrin ketone	ND	1.73	1.73	U
7421-93-4	Endrin aldehyde	ND	1.73	1.73	U
5103-71-9	alpha-Chlordane	ND	0.860	0.860	U
5566-34-7	gamma-Chlordane	ND	0.860	0.860	U
8001-35-2	Toxaphene	ND	43.4	43.4	U
12674-11-2	Aroclor-1016	ND	21.6	43.4	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	76.70	Prep Method:	EPA 3550B	File ID:	A23709.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 19:59
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	21.6	43.4	U
11141-16-5	Aroclor-1232	ND	21.6	43.4	U
53469-21-9	Aroclor-1242	ND	21.6	43.4	U
12672-29-6	Aroclor-1248	ND	21.6	43.4	U
11097-69-1	Aroclor-1254	ND	21.6	43.4	U
11096-82-5	Aroclor-1260	ND	21.6	43.4	U
37324-23-5	Aroclor-1262	ND	21.6	43.4	U
11100-14-4	Aroclor-1268	ND	21.6	43.4	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	65.2%	30-150
Tetrachloro-m-xylene [2C]	69.3%	30-150
Decachlorobiphenyl	71.5%	30-150
Decachlorobiphenyl [2C]	90.7%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B	File ID:	A23710.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 20:28
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.831	0.831	U
319-85-7	beta-BHC	ND	0.831	0.831	U
319-86-8	delta-BHC	ND	0.831	0.831	U
58-89-9	gamma-BHC [Lindane]	ND	0.831	0.831	U
76-44-8	Heptachlor	ND	0.831	0.831	U
309-00-2	Aldrin	ND	0.831	0.831	U
1024-57-3	Heptachlor Epoxide	ND	0.831	0.831	U
959-98-8	Endosulfan I	ND	0.831	0.831	U
60-57-1	Dieldrin	ND	1.68	1.68	U
72-55-9	4,4'-DDE	ND	1.68	1.68	U
72-20-8	Endrin	ND	1.68	1.68	U
33213-65-9	Endosulfan II	ND	1.68	1.68	U
72-54-8	4,4'-DDD	ND	1.68	1.68	U
1031-07-8	Endosulfan sulfate	ND	1.68	1.68	U
50-29-3	4,4'-DDT	ND	1.68	1.68	U
72-43-5	Methoxychlor	ND	2.52	8.39	U
53494-70-5	Endrin ketone	ND	1.68	1.68	U
7421-93-4	Endrin aldehyde	ND	1.68	1.68	U
5103-71-9	alpha-Chlordane	ND	0.831	0.831	U
5566-34-7	gamma-Chlordane	ND	0.831	0.831	U
8001-35-2	Toxaphene	ND	41.9	41.9	U
12674-11-2	Aroclor-1016	ND	20.9	41.9	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B	File ID:	A23710.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 20:28
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.9	41.9	U
11141-16-5	Aroclor-1232	ND	20.9	41.9	U
53469-21-9	Aroclor-1242	ND	20.9	41.9	U
12672-29-6	Aroclor-1248	ND	20.9	41.9	U
11097-69-1	Aroclor-1254	ND	20.9	41.9	U
11096-82-5	Aroclor-1260	ND	20.9	41.9	U
37324-23-5	Aroclor-1262	ND	20.9	41.9	U
11100-14-4	Aroclor-1268	ND	20.9	41.9	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	61.7%	30-150
Tetrachloro-m-xylene [2C]	69.5%	30-150
Decachlorobiphenyl	67.0%	30-150
Decachlorobiphenyl [2C]	92.0%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	80.00	Prep Method:	EPA 3550B	File ID:	A23711.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 20:58
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.825	0.825	U
319-85-7	beta-BHC	ND	0.825	0.825	U
319-86-8	delta-BHC	ND	0.825	0.825	U
58-89-9	gamma-BHC [Lindane]	ND	0.825	0.825	U
76-44-8	Heptachlor	ND	0.825	0.825	U
309-00-2	Aldrin	ND	0.825	0.825	U
1024-57-3	Heptachlor Epoxide	ND	0.825	0.825	U
959-98-8	Endosulfan I	ND	0.825	0.825	U
60-57-1	Dieldrin	ND	1.66	1.66	U
72-55-9	4,4'-DDE	ND	1.66	1.66	U
72-20-8	Endrin	ND	1.66	1.66	U
33213-65-9	Endosulfan II	ND	1.66	1.66	U
72-54-8	4,4'-DDD	ND	1.66	1.66	U
1031-07-8	Endosulfan sulfate	ND	1.66	1.66	U
50-29-3	4,4'-DDT	ND	1.66	1.66	U
72-43-5	Methoxychlor	ND	2.50	8.32	U
53494-70-5	Endrin ketone	ND	1.66	1.66	U
7421-93-4	Endrin aldehyde	ND	1.66	1.66	U
5103-71-9	alpha-Chlordane	ND	0.825	0.825	U
5566-34-7	gamma-Chlordane	ND	0.825	0.825	U
8001-35-2	Toxaphene	ND	41.6	41.6	U
12674-11-2	Aroclor-1016	ND	20.8	41.6	U

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ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	80.00	Prep Method:	EPA 3550B	File ID:	A23711.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 20:58
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.8	41.6	U
11141-16-5	Aroclor-1232	ND	20.8	41.6	U
53469-21-9	Aroclor-1242	ND	20.8	41.6	U
12672-29-6	Aroclor-1248	ND	20.8	41.6	U
11097-69-1	Aroclor-1254	ND	20.8	41.6	U
11096-82-5	Aroclor-1260	ND	20.8	41.6	U
37324-23-5	Aroclor-1262	ND	20.8	41.6	U
11100-14-4	Aroclor-1268	ND	20.8	41.6	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	63.5%	30-150
Tetrachloro-m-xylene [2C]	71.6%	30-150
Decachlorobiphenyl	69.5%	30-150
Decachlorobiphenyl [2C]	90.8%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	83.20	Prep Method:	EPA 3550B	File ID:	A23712.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 21:27
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.793	0.793	U
319-85-7	beta-BHC	ND	0.793	0.793	U
319-86-8	delta-BHC	ND	0.793	0.793	U
58-89-9	gamma-BHC [Lindane]	ND	0.793	0.793	U
76-44-8	Heptachlor	ND	0.793	0.793	U
309-00-2	Aldrin	ND	0.793	0.793	U
1024-57-3	Heptachlor Epoxide	ND	0.793	0.793	U
959-98-8	Endosulfan I	ND	0.793	0.793	U
60-57-1	Dieldrin	ND	1.60	1.60	U
72-55-9	4,4'-DDE	ND	1.60	1.60	U
72-20-8	Endrin	ND	1.60	1.60	U
33213-65-9	Endosulfan II	ND	1.60	1.60	U
72-54-8	4,4'-DDD	ND	1.60	1.60	U
1031-07-8	Endosulfan sulfate	ND	1.60	1.60	U
50-29-3	4,4'-DDT	ND	1.60	1.60	U
72-43-5	Methoxychlor	ND	2.40	8.00	U
53494-70-5	Endrin ketone	ND	1.60	1.60	U
7421-93-4	Endrin aldehyde	ND	1.60	1.60	U
5103-71-9	alpha-Chlordane	ND	0.793	0.793	U
5566-34-7	gamma-Chlordane	ND	0.793	0.793	U
8001-35-2	Toxaphene	ND	40.0	40.0	U
12674-11-2	Aroclor-1016	ND	20.0	40.0	U

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ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	83.20	Prep Method:	EPA 3550B	File ID:	A23712.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 21:27
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.0	40.0	U
11141-16-5	Aroclor-1232	ND	20.0	40.0	U
53469-21-9	Aroclor-1242	ND	20.0	40.0	U
12672-29-6	Aroclor-1248	ND	20.0	40.0	U
11097-69-1	Aroclor-1254	ND	20.0	40.0	U
11096-82-5	Aroclor-1260	ND	20.0	40.0	U
37324-23-5	Aroclor-1262	ND	20.0	40.0	U
11100-14-4	Aroclor-1268	ND	20.0	40.0	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	76.7%	30-150
Tetrachloro-m-xylene [2C]	91.1%	30-150
Decachlorobiphenyl	83.5%	30-150
Decachlorobiphenyl [2C]	84.7%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 3550B	File ID:	A23713.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 21:56
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.806	0.806	U
319-85-7	beta-BHC	ND	0.806	0.806	U
319-86-8	delta-BHC	ND	0.806	0.806	U
58-89-9	gamma-BHC [Lindane]	ND	0.806	0.806	U
76-44-8	Heptachlor	ND	0.806	0.806	U
309-00-2	Aldrin	ND	0.806	0.806	U
1024-57-3	Heptachlor Epoxide	ND	0.806	0.806	U
959-98-8	Endosulfan I	ND	0.806	0.806	U
60-57-1	Dieldrin	ND	1.62	1.62	U
72-55-9	4,4'-DDE	ND	1.62	1.62	U
72-20-8	Endrin	ND	1.62	1.62	U
33213-65-9	Endosulfan II	ND	1.62	1.62	U
72-54-8	4,4'-DDD	ND	1.62	1.62	U
1031-07-8	Endosulfan sulfate	ND	1.62	1.62	U
50-29-3	4,4'-DDT	ND	1.62	1.62	U
72-43-5	Methoxychlor	ND	2.44	8.13	U
53494-70-5	Endrin ketone	ND	1.62	1.62	U
7421-93-4	Endrin aldehyde	ND	1.62	1.62	U
5103-71-9	alpha-Chlordane	ND	0.806	0.806	U
5566-34-7	gamma-Chlordane	ND	0.806	0.806	U
8001-35-2	Toxaphene	ND	40.7	40.7	U
12674-11-2	Aroclor-1016	ND	20.3	40.7	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 3550B	File ID:	A23713.D
Prep Batch:	B6L0502	Sequence:	S6L0502	Analyzed:	12/05/16 21:56
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	20.3	40.7	U
11141-16-5	Aroclor-1232	ND	20.3	40.7	U
53469-21-9	Aroclor-1242	ND	20.3	40.7	U
12672-29-6	Aroclor-1248	ND	20.3	40.7	U
11097-69-1	Aroclor-1254	ND	20.3	40.7	U
11096-82-5	Aroclor-1260	ND	20.3	40.7	U
37324-23-5	Aroclor-1262	ND	20.3	40.7	U
11100-14-4	Aroclor-1268	ND	20.3	40.7	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	63.9%	30-150
Tetrachloro-m-xylene [2C]	70.8%	30-150
Decachlorobiphenyl	67.2%	30-150
Decachlorobiphenyl [2C]	76.5%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	87.10	Prep Method:	EPA 3550B	File ID:	A23729.D
Prep Batch:	B6L0502	Sequence:	S6L0611	Analyzed:	12/06/16 16:48
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.758	0.758	U
319-85-7	beta-BHC	ND	0.758	0.758	U
319-86-8	delta-BHC	ND	0.758	0.758	U
58-89-9	gamma-BHC [Lindane]	ND	0.758	0.758	U
76-44-8	Heptachlor	ND	0.758	0.758	U
309-00-2	Aldrin	ND	0.758	0.758	U
1024-57-3	Heptachlor Epoxide	ND	0.758	0.758	U
959-98-8	Endosulfan I	ND	0.758	0.758	U
60-57-1	Dieldrin	ND	1.53	1.53	U
72-55-9	4,4'-DDE	ND	1.53	1.53	U
72-20-8	Endrin	ND	1.53	1.53	U
33213-65-9	Endosulfan II	ND	1.53	1.53	U
72-54-8	4,4'-DDD	ND	1.53	1.53	U
1031-07-8	Endosulfan sulfate	ND	1.53	1.53	U
50-29-3	4,4'-DDT	ND	1.53	1.53	U
72-43-5	Methoxychlor	ND	2.30	7.65	U
53494-70-5	Endrin ketone	ND	1.53	1.53	U
7421-93-4	Endrin aldehyde	ND	1.53	1.53	U
5103-71-9	alpha-Chlordane	ND	0.758	0.758	U
5566-34-7	gamma-Chlordane	ND	0.758	0.758	U
8001-35-2	Toxaphene	ND	38.2	38.2	U
12674-11-2	Aroclor-1016	ND	19.1	38.2	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	87.10	Prep Method:	EPA 3550B	File ID:	A23729.D
Prep Batch:	B6L0502	Sequence:	S6L0611	Analyzed:	12/06/16 16:48
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.1	38.2	U
11141-16-5	Aroclor-1232	ND	19.1	38.2	U
53469-21-9	Aroclor-1242	ND	19.1	38.2	U
12672-29-6	Aroclor-1248	ND	19.1	38.2	U
11097-69-1	Aroclor-1254	ND	19.1	38.2	U
11096-82-5	Aroclor-1260	ND	19.1	38.2	U
37324-23-5	Aroclor-1262	ND	19.1	38.2	U
11100-14-4	Aroclor-1268	ND	19.1	38.2	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	73.8%	30-150
Tetrachloro-m-xylene [2C]	89.3%	30-150
Decachlorobiphenyl	92.3%	30-150
Decachlorobiphenyl [2C]	127%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	86.10	Prep Method:	EPA 3550B	File ID:	A23730.D
Prep Batch:	B6L0502	Sequence:	S6L0611	Analyzed:	12/06/16 17:17
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
319-84-6	alpha-BHC	ND	0.767	0.767	U
319-85-7	beta-BHC	ND	0.767	0.767	U
319-86-8	delta-BHC	ND	0.767	0.767	U
58-89-9	gamma-BHC [Lindane]	ND	0.767	0.767	U
76-44-8	Heptachlor	ND	0.767	0.767	U
309-00-2	Aldrin	ND	0.767	0.767	U
1024-57-3	Heptachlor Epoxide	ND	0.767	0.767	U
959-98-8	Endosulfan I	ND	0.767	0.767	U
60-57-1	Dieldrin	ND	1.54	1.54	U
72-55-9	4,4'-DDE	ND	1.54	1.54	U
72-20-8	Endrin	ND	1.54	1.54	U
33213-65-9	Endosulfan II	ND	1.54	1.54	U
72-54-8	4,4'-DDD	ND	1.54	1.54	U
1031-07-8	Endosulfan sulfate	ND	1.54	1.54	U
50-29-3	4,4'-DDT	ND	1.54	1.54	U
72-43-5	Methoxychlor	ND	2.32	7.74	U
53494-70-5	Endrin ketone	ND	1.54	1.54	U
7421-93-4	Endrin aldehyde	ND	1.54	1.54	U
5103-71-9	alpha-Chlordane	ND	0.767	0.767	U
5566-34-7	gamma-Chlordane	ND	0.767	0.767	U
8001-35-2	Toxaphene	ND	38.7	38.7	U
12674-11-2	Aroclor-1016	ND	19.3	38.7	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8081/8082

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Prep Date:	12/05/16 08:02	Matrix:	Soil
Percent Solids:	86.10	Prep Method:	EPA 3550B	File ID:	A23730.D
Prep Batch:	B6L0502	Sequence:	S6L0611	Analyzed:	12/06/16 17:17
Dilution:	1			Analyst:	JAM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
11104-28-2	Aroclor-1221	ND	19.3	38.7	U
11141-16-5	Aroclor-1232	ND	19.3	38.7	U
53469-21-9	Aroclor-1242	ND	19.3	38.7	U
12672-29-6	Aroclor-1248	ND	19.3	38.7	U
11097-69-1	Aroclor-1254	ND	19.3	38.7	U
11096-82-5	Aroclor-1260	ND	19.3	38.7	U
37324-23-5	Aroclor-1262	ND	19.3	38.7	U
11100-14-4	Aroclor-1268	ND	19.3	38.7	U

Surrogate	% Recovery	Recovery Limits
Tetrachloro-m-xylene	76.6%	30-150
Tetrachloro-m-xylene [2C]	92.5%	30-150
Decachlorobiphenyl	94.1%	30-150
Decachlorobiphenyl [2C]	114%	30-150

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

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SEMIVOLATILES

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ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B GCMS	File ID:	B4289.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 20:20
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	41.9	210	U
108-95-2	Phenol	ND	41.9	210	U
111-44-4	bis(2-chloroethyl)ether	ND	41.9	210	U
95-57-8	2-Chlorophenol	ND	41.9	210	U
541-73-1	1,3-Dichlorobenzene	ND	41.9	210	U
106-46-7	1,4-Dichlorobenzene	ND	41.9	210	U
100-51-6	Benzyl alcohol	ND	41.9	210	U
95-50-1	1,2-Dichlorobenzene	ND	41.9	210	U
95-48-7	2-Methylphenol	ND	41.9	210	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	41.9	210	U
106-44-5	3 & 4-Methylphenol	ND	41.9	210	U
621-64-7	N-Nitroso-di-n-propylamine	ND	41.9	210	U
67-72-1	Hexachloroethane	ND	41.9	210	U
98-95-3	Nitrobenzene	ND	41.9	210	U
78-59-1	Isophorone	ND	41.9	210	U
88-75-5	2-Nitrophenol	ND	41.9	210	U
105-67-9	2,4-Dimethylphenol	ND	41.9	210	U
65-85-0	Benzoic acid	ND	105	419	U
111-91-1	bis(2-chloroethoxy)methane	ND	41.9	210	U
120-83-2	2,4-Dichlorophenol	ND	41.9	210	U
120-82-1	1,2,4-Trichlorobenzene	ND	41.9	210	U
91-20-3	Naphthalene	ND	41.9	210	U
106-47-8	4-Chloroaniline	ND	41.9	210	U
87-68-3	Hexachlorobutadiene	ND	41.9	210	U
59-50-7	4-Chloro-3-methylphenol	ND	41.9	210	U
91-57-6	2-Methylnaphthylene	ND	41.9	210	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B GCMS	File ID:	B4289.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 20:20
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	41.9	210	U
88-06-2	2,4,6-Trichlorophenol	ND	41.9	210	U
95-95-4	2,4,5-Trichlorophenol	ND	41.9	210	U
91-58-7	2-Chloronaphthalene	ND	41.9	210	U
88-74-4	2-Nitroaniline	ND	41.9	210	U
131-11-3	Dimethylphthalate	ND	41.9	210	U
208-96-8	Acenaphthylene	ND	41.9	210	U
99-09-2	3-Nitroaniline	ND	41.9	210	U
83-32-9	Acenaphthene	48.4	41.9	210	J
51-28-5	2,4-Dinitrophenol	ND	41.9	419	U
100-02-7	4-Nitrophenol	ND	41.9	210	U
132-64-9	Dibenzofuran	ND	41.9	210	U
606-20-2	2,6-Dinitrotoluene	ND	41.9	210	U
121-14-2	2,4-Dinitrotoluene	ND	41.9	210	U
84-66-2	Diethyl phthalate	ND	41.9	210	U
7005-72-3	4-Chlorophenyl-phenylether	ND	41.9	210	U
86-73-7	Fluorene	61.0	41.9	210	J
100-01-6	4-Nitroaniline	ND	41.9	210	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	41.9	210	U
86-30-6	N-Nitrosodiphenylamine	ND	41.9	210	U
101-55-3	4-Bromophenyl-phenylether	ND	41.9	210	U
118-74-1	Hexachlorobenzene	ND	41.9	210	U
87-86-5	Pentachlorophenol	ND	41.9	210	U
85-01-8	Phenanthrene	666	41.9	210	
120-12-7	Anthracene	133	41.9	210	J
84-74-2	Di-n-butyl phthalate	ND	41.9	210	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B GCMS	File ID:	B4289.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 20:20
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	924	41.9	210	
129-00-0	Pyrene	820	41.9	210	
85-68-7	Butylbenzylphthalate	ND	41.9	210	U
91-94-1	3,3'-Dichlorobenzidine	ND	105	210	U
56-55-3	Benzo[a]anthracene	390	41.9	210	
117-81-7	bis(2-ethylhexyl)phthalate	ND	41.9	210	U
218-01-9	Chrysene	403	41.9	210	
117-84-0	Di-n-octyl phthalate	ND	41.9	210	U
205-99-2	Benzo[b]fluoranthene	643	41.9	210	
207-08-9	Benzo[k]fluoranthene	198	41.9	210	J
50-32-8	Benzo[a]pyrene	386	41.9	210	
193-39-5	Indeno(1,2,3-cd)pyrene	83.5	41.9	210	J
53-70-3	Dibenzo(a,h)anthracene	ND	41.9	210	U
191-24-2	Benzo[ghi]perylene	75.9	41.9	210	J

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	54%	30-130
Phenol-d5	64%	30-130
Nitrobenzene-d5	73%	30-130
2-Fluorobiphenyl	71%	30-130
2,4,6-Tribromophenol	74%	30-130
Terphenyl-d14	89%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	76.70	Prep Method:	EPA 3550B GCMS	File ID:	B4283.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 15:54
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	43.4	218	U
108-95-2	Phenol	ND	43.4	218	U
111-44-4	bis(2-chloroethyl)ether	ND	43.4	218	U
95-57-8	2-Chlorophenol	ND	43.4	218	U
541-73-1	1,3-Dichlorobenzene	ND	43.4	218	U
106-46-7	1,4-Dichlorobenzene	ND	43.4	218	U
100-51-6	Benzyl alcohol	ND	43.4	218	U
95-50-1	1,2-Dichlorobenzene	ND	43.4	218	U
95-48-7	2-Methylphenol	ND	43.4	218	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	43.4	218	U
106-44-5	3 & 4-Methylphenol	ND	43.4	218	U
621-64-7	N-Nitroso-di-n-propylamine	ND	43.4	218	U
67-72-1	Hexachloroethane	ND	43.4	218	U
98-95-3	Nitrobenzene	ND	43.4	218	U
78-59-1	Isophorone	ND	43.4	218	U
88-75-5	2-Nitrophenol	ND	43.4	218	U
105-67-9	2,4-Dimethylphenol	ND	43.4	218	U
65-85-0	Benzoic acid	ND	108	434	U
111-91-1	bis(2-chloroethoxy)methane	ND	43.4	218	U
120-83-2	2,4-Dichlorophenol	ND	43.4	218	U
120-82-1	1,2,4-Trichlorobenzene	ND	43.4	218	U
91-20-3	Naphthalene	47.2	43.4	218	J
106-47-8	4-Chloroaniline	ND	43.4	218	U
87-68-3	Hexachlorobutadiene	ND	43.4	218	U
59-50-7	4-Chloro-3-methylphenol	ND	43.4	218	U
91-57-6	2-Methylnaphthylene	ND	43.4	218	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	76.70	Prep Method:	EPA 3550B GCMS	File ID:	B4283.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 15:54
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	43.4	218	U
88-06-2	2,4,6-Trichlorophenol	ND	43.4	218	U
95-95-4	2,4,5-Trichlorophenol	ND	43.4	218	U
91-58-7	2-Chloronaphthalene	ND	43.4	218	U
88-74-4	2-Nitroaniline	ND	43.4	218	U
131-11-3	Dimethylphthalate	ND	43.4	218	U
208-96-8	Acenaphthylene	ND	43.4	218	U
99-09-2	3-Nitroaniline	ND	43.4	218	U
83-32-9	Acenaphthene	ND	43.4	218	U
51-28-5	2,4-Dinitrophenol	ND	43.4	434	U
100-02-7	4-Nitrophenol	ND	43.4	218	U
132-64-9	Dibenzofuran	ND	43.4	218	U
606-20-2	2,6-Dinitrotoluene	ND	43.4	218	U
121-14-2	2,4-Dinitrotoluene	ND	43.4	218	U
84-66-2	Diethyl phthalate	ND	43.4	218	U
7005-72-3	4-Chlorophenyl-phenylether	ND	43.4	218	U
86-73-7	Fluorene	51.5	43.4	218	J
100-01-6	4-Nitroaniline	ND	43.4	218	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	43.4	218	U
86-30-6	N-Nitrosodiphenylamine	ND	43.4	218	U
101-55-3	4-Bromophenyl-phenylether	ND	43.4	218	U
118-74-1	Hexachlorobenzene	ND	43.4	218	U
87-86-5	Pentachlorophenol	ND	43.4	218	U
85-01-8	Phenanthrene	512	43.4	218	
120-12-7	Anthracene	107	43.4	218	J
84-74-2	Di-n-butyl phthalate	ND	43.4	218	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	76.70	Prep Method:	EPA 3550B GCMS	File ID:	B4283.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 15:54
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	572	43.4	218	
129-00-0	Pyrene	452	43.4	218	
85-68-7	Butylbenzylphthalate	ND	43.4	218	U
91-94-1	3,3'-Dichlorobenzidine	ND	108	218	U
56-55-3	Benzo[a]anthracene	221	43.4	218	
117-81-7	bis(2-ethylhexyl)phthalate	ND	43.4	218	U
218-01-9	Chrysene	237	43.4	218	
117-84-0	Di-n-octyl phthalate	ND	43.4	218	U
205-99-2	Benzo[b]fluoranthene	263	43.4	218	
207-08-9	Benzo[k]fluoranthene	84.4	43.4	218	J
50-32-8	Benzo[a]pyrene	210	43.4	218	J
193-39-5	Indeno(1,2,3-cd)pyrene	88.4	43.4	218	J
53-70-3	Dibenzo(a,h)anthracene	ND	43.4	218	U
191-24-2	Benzo[ghi]perylene	99.9	43.4	218	J

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	43%	30-130
Phenol-d5	47%	30-130
Nitrobenzene-d5	52%	30-130
2-Fluorobiphenyl	52%	30-130
2,4,6-Tribromophenol	67%	30-130
Terphenyl-d14	64%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B GCMS	File ID:	B4284.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 16:39
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	41.9	210	U
108-95-2	Phenol	ND	41.9	210	U
111-44-4	bis(2-chloroethyl)ether	ND	41.9	210	U
95-57-8	2-Chlorophenol	ND	41.9	210	U
541-73-1	1,3-Dichlorobenzene	ND	41.9	210	U
106-46-7	1,4-Dichlorobenzene	ND	41.9	210	U
100-51-6	Benzyl alcohol	ND	41.9	210	U
95-50-1	1,2-Dichlorobenzene	ND	41.9	210	U
95-48-7	2-Methylphenol	ND	41.9	210	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	41.9	210	U
106-44-5	3 & 4-Methylphenol	ND	41.9	210	U
621-64-7	N-Nitroso-di-n-propylamine	ND	41.9	210	U
67-72-1	Hexachloroethane	ND	41.9	210	U
98-95-3	Nitrobenzene	ND	41.9	210	U
78-59-1	Isophorone	ND	41.9	210	U
88-75-5	2-Nitrophenol	ND	41.9	210	U
105-67-9	2,4-Dimethylphenol	ND	41.9	210	U
65-85-0	Benzoic acid	ND	105	419	U
111-91-1	bis(2-chloroethoxy)methane	ND	41.9	210	U
120-83-2	2,4-Dichlorophenol	ND	41.9	210	U
120-82-1	1,2,4-Trichlorobenzene	ND	41.9	210	U
91-20-3	Naphthalene	ND	41.9	210	U
106-47-8	4-Chloroaniline	ND	41.9	210	U
87-68-3	Hexachlorobutadiene	ND	41.9	210	U
59-50-7	4-Chloro-3-methylphenol	ND	41.9	210	U
91-57-6	2-Methylnaphthylene	ND	41.9	210	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B GCMS	File ID:	B4284.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 16:39
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	41.9	210	U
88-06-2	2,4,6-Trichlorophenol	ND	41.9	210	U
95-95-4	2,4,5-Trichlorophenol	ND	41.9	210	U
91-58-7	2-Chloronaphthalene	ND	41.9	210	U
88-74-4	2-Nitroaniline	ND	41.9	210	U
131-11-3	Dimethylphthalate	ND	41.9	210	U
208-96-8	Acenaphthylene	ND	41.9	210	U
99-09-2	3-Nitroaniline	ND	41.9	210	U
83-32-9	Acenaphthene	85.2	41.9	210	J
51-28-5	2,4-Dinitrophenol	ND	41.9	419	U
100-02-7	4-Nitrophenol	ND	41.9	210	U
132-64-9	Dibenzofuran	55.5	41.9	210	J
606-20-2	2,6-Dinitrotoluene	ND	41.9	210	U
121-14-2	2,4-Dinitrotoluene	ND	41.9	210	U
84-66-2	Diethyl phthalate	ND	41.9	210	U
7005-72-3	4-Chlorophenyl-phenylether	ND	41.9	210	U
86-73-7	Fluorene	89.1	41.9	210	J
100-01-6	4-Nitroaniline	ND	41.9	210	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	41.9	210	U
86-30-6	N-Nitrosodiphenylamine	ND	41.9	210	U
101-55-3	4-Bromophenyl-phenylether	ND	41.9	210	U
118-74-1	Hexachlorobenzene	ND	41.9	210	U
87-86-5	Pentachlorophenol	ND	41.9	210	U
85-01-8	Phenanthrene	965	41.9	210	
120-12-7	Anthracene	192	41.9	210	J
84-74-2	Di-n-butyl phthalate	ND	41.9	210	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 3550B GCMS	File ID:	B4284.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 16:39
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	1030	41.9	210	
129-00-0	Pyrene	811	41.9	210	
85-68-7	Butylbenzylphthalate	ND	41.9	210	U
91-94-1	3,3'-Dichlorobenzidine	ND	105	210	U
56-55-3	Benzo[a]anthracene	406	41.9	210	
117-81-7	bis(2-ethylhexyl)phthalate	ND	41.9	210	U
218-01-9	Chrysene	415	41.9	210	
117-84-0	Di-n-octyl phthalate	ND	41.9	210	U
205-99-2	Benzo[b]fluoranthene	453	41.9	210	
207-08-9	Benzo[k]fluoranthene	146	41.9	210	J
50-32-8	Benzo[a]pyrene	348	41.9	210	
193-39-5	Indeno(1,2,3-cd)pyrene	116	41.9	210	J
53-70-3	Dibenzo(a,h)anthracene	ND	41.9	210	U
191-24-2	Benzo[ghi]perylene	118	41.9	210	J

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	44%	30-130
Phenol-d5	49%	30-130
Nitrobenzene-d5	52%	30-130
2-Fluorobiphenyl	51%	30-130
2,4,6-Tribromophenol	68%	30-130
Terphenyl-d14	61%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	80.00	Prep Method:	EPA 3550B GCMS	File ID:	B4285.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 17:23
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	41.6	209	U
108-95-2	Phenol	ND	41.6	209	U
111-44-4	bis(2-chloroethyl)ether	ND	41.6	209	U
95-57-8	2-Chlorophenol	ND	41.6	209	U
541-73-1	1,3-Dichlorobenzene	ND	41.6	209	U
106-46-7	1,4-Dichlorobenzene	ND	41.6	209	U
100-51-6	Benzyl alcohol	ND	41.6	209	U
95-50-1	1,2-Dichlorobenzene	ND	41.6	209	U
95-48-7	2-Methylphenol	ND	41.6	209	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	41.6	209	U
106-44-5	3 & 4-Methylphenol	ND	41.6	209	U
621-64-7	N-Nitroso-di-n-propylamine	ND	41.6	209	U
67-72-1	Hexachloroethane	ND	41.6	209	U
98-95-3	Nitrobenzene	ND	41.6	209	U
78-59-1	Isophorone	ND	41.6	209	U
88-75-5	2-Nitrophenol	ND	41.6	209	U
105-67-9	2,4-Dimethylphenol	ND	41.6	209	U
65-85-0	Benzoic acid	ND	104	416	U
111-91-1	bis(2-chloroethoxy)methane	ND	41.6	209	U
120-83-2	2,4-Dichlorophenol	ND	41.6	209	U
120-82-1	1,2,4-Trichlorobenzene	ND	41.6	209	U
91-20-3	Naphthalene	ND	41.6	209	U
106-47-8	4-Chloroaniline	ND	41.6	209	U
87-68-3	Hexachlorobutadiene	ND	41.6	209	U
59-50-7	4-Chloro-3-methylphenol	ND	41.6	209	U
91-57-6	2-Methylnaphthylene	ND	41.6	209	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	80.00	Prep Method:	EPA 3550B GCMS	File ID:	B4285.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 17:23
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	41.6	209	U
88-06-2	2,4,6-Trichlorophenol	ND	41.6	209	U
95-95-4	2,4,5-Trichlorophenol	ND	41.6	209	U
91-58-7	2-Chloronaphthalene	ND	41.6	209	U
88-74-4	2-Nitroaniline	ND	41.6	209	U
131-11-3	Dimethylphthalate	ND	41.6	209	U
208-96-8	Acenaphthylene	ND	41.6	209	U
99-09-2	3-Nitroaniline	ND	41.6	209	U
83-32-9	Acenaphthene	ND	41.6	209	U
51-28-5	2,4-Dinitrophenol	ND	41.6	416	U
100-02-7	4-Nitrophenol	ND	41.6	209	U
132-64-9	Dibenzofuran	ND	41.6	209	U
606-20-2	2,6-Dinitrotoluene	ND	41.6	209	U
121-14-2	2,4-Dinitrotoluene	ND	41.6	209	U
84-66-2	Diethyl phthalate	ND	41.6	209	U
7005-72-3	4-Chlorophenyl-phenylether	ND	41.6	209	U
86-73-7	Fluorene	46.8	41.6	209	J
100-01-6	4-Nitroaniline	ND	41.6	209	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	41.6	209	U
86-30-6	N-Nitrosodiphenylamine	ND	41.6	209	U
101-55-3	4-Bromophenyl-phenylether	ND	41.6	209	U
118-74-1	Hexachlorobenzene	ND	41.6	209	U
87-86-5	Pentachlorophenol	ND	41.6	209	U
85-01-8	Phenanthrene	438	41.6	209	
120-12-7	Anthracene	92.2	41.6	209	J
84-74-2	Di-n-butyl phthalate	ND	41.6	209	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	80.00	Prep Method:	EPA 3550B GCMS	File ID:	B4285.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 17:23
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	530	41.6	209	
129-00-0	Pyrene	407	41.6	209	
85-68-7	Butylbenzylphthalate	ND	41.6	209	U
91-94-1	3,3'-Dichlorobenzidine	ND	104	209	U
56-55-3	Benzo[a]anthracene	209	41.6	209	
117-81-7	bis(2-ethylhexyl)phthalate	ND	41.6	209	U
218-01-9	Chrysene	218	41.6	209	
117-84-0	Di-n-octyl phthalate	ND	41.6	209	U
205-99-2	Benzo[b]fluoranthene	256	41.6	209	
207-08-9	Benzo[k]fluoranthene	85.6	41.6	209	J
50-32-8	Benzo[a]pyrene	202	41.6	209	J
193-39-5	Indeno(1,2,3-cd)pyrene	72.1	41.6	209	J
53-70-3	Dibenzo(a,h)anthracene	ND	41.6	209	U
191-24-2	Benzo[ghi]perylene	70.6	41.6	209	J

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	51%	30-130
Phenol-d5	57%	30-130
Nitrobenzene-d5	60%	30-130
2-Fluorobiphenyl	58%	30-130
2,4,6-Tribromophenol	69%	30-130
Terphenyl-d14	61%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	83.20	Prep Method:	EPA 3550B GCMS	File ID:	B4280.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 13:41
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	40.0	201	U
108-95-2	Phenol	ND	40.0	201	U
111-44-4	bis(2-chloroethyl)ether	ND	40.0	201	U
95-57-8	2-Chlorophenol	ND	40.0	201	U
541-73-1	1,3-Dichlorobenzene	ND	40.0	201	U
106-46-7	1,4-Dichlorobenzene	ND	40.0	201	U
100-51-6	Benzyl alcohol	ND	40.0	201	U
95-50-1	1,2-Dichlorobenzene	ND	40.0	201	U
95-48-7	2-Methylphenol	ND	40.0	201	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	40.0	201	U
106-44-5	3 & 4-Methylphenol	ND	40.0	201	U
621-64-7	N-Nitroso-di-n-propylamine	ND	40.0	201	U
67-72-1	Hexachloroethane	ND	40.0	201	U
98-95-3	Nitrobenzene	ND	40.0	201	U
78-59-1	Isophorone	ND	40.0	201	U
88-75-5	2-Nitrophenol	ND	40.0	201	U
105-67-9	2,4-Dimethylphenol	ND	40.0	201	U
65-85-0	Benzoic acid	ND	99.8	400	U
111-91-1	bis(2-chloroethoxy)methane	ND	40.0	201	U
120-83-2	2,4-Dichlorophenol	ND	40.0	201	U
120-82-1	1,2,4-Trichlorobenzene	ND	40.0	201	U
91-20-3	Naphthalene	ND	40.0	201	U
106-47-8	4-Chloroaniline	ND	40.0	201	U
87-68-3	Hexachlorobutadiene	ND	40.0	201	U
59-50-7	4-Chloro-3-methylphenol	ND	40.0	201	U
91-57-6	2-Methylnaphthylene	ND	40.0	201	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	83.20	Prep Method:	EPA 3550B GCMS	File ID:	B4280.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 13:41
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	40.0	201	U
88-06-2	2,4,6-Trichlorophenol	ND	40.0	201	U
95-95-4	2,4,5-Trichlorophenol	ND	40.0	201	U
91-58-7	2-Chloronaphthalene	ND	40.0	201	U
88-74-4	2-Nitroaniline	ND	40.0	201	U
131-11-3	Dimethylphthalate	ND	40.0	201	U
208-96-8	Acenaphthylene	ND	40.0	201	U
99-09-2	3-Nitroaniline	ND	40.0	201	U
83-32-9	Acenaphthene	ND	40.0	201	U
51-28-5	2,4-Dinitrophenol	ND	40.0	400	U
100-02-7	4-Nitrophenol	ND	40.0	201	U
132-64-9	Dibenzofuran	ND	40.0	201	U
606-20-2	2,6-Dinitrotoluene	ND	40.0	201	U
121-14-2	2,4-Dinitrotoluene	ND	40.0	201	U
84-66-2	Diethyl phthalate	ND	40.0	201	U
7005-72-3	4-Chlorophenyl-phenylether	ND	40.0	201	U
86-73-7	Fluorene	ND	40.0	201	U
100-01-6	4-Nitroaniline	ND	40.0	201	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	40.0	201	U
86-30-6	N-Nitrosodiphenylamine	ND	40.0	201	U
101-55-3	4-Bromophenyl-phenylether	ND	40.0	201	U
118-74-1	Hexachlorobenzene	ND	40.0	201	U
87-86-5	Pentachlorophenol	ND	40.0	201	U
85-01-8	Phenanthrene	ND	40.0	201	U
120-12-7	Anthracene	ND	40.0	201	U
84-74-2	Di-n-butyl phthalate	ND	40.0	201	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	83.20	Prep Method:	EPA 3550B GCMS	File ID:	B4280.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 13:41
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	ND	40.0	201	U
129-00-0	Pyrene	ND	40.0	201	U
85-68-7	Butylbenzylphthalate	ND	40.0	201	U
91-94-1	3,3'-Dichlorobenzidine	ND	99.8	201	U
56-55-3	Benzo[a]anthracene	ND	40.0	201	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	40.0	201	U
218-01-9	Chrysene	ND	40.0	201	U
117-84-0	Di-n-octyl phthalate	ND	40.0	201	U
205-99-2	Benzo[b]fluoranthene	ND	40.0	201	U
207-08-9	Benzo[k]fluoranthene	ND	40.0	201	U
50-32-8	Benzo[a]pyrene	ND	40.0	201	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40.0	201	U
53-70-3	Dibenzo(a,h)anthracene	ND	40.0	201	U
191-24-2	Benzo[ghi]perylene	ND	40.0	201	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	55%	30-130
Phenol-d5	60%	30-130
Nitrobenzene-d5	64%	30-130
2-Fluorobiphenyl	61%	30-130
2,4,6-Tribromophenol	69%	30-130
Terphenyl-d14	70%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 3550B GCMS	File ID:	B4288.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 19:36
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	40.7	204	U
108-95-2	Phenol	ND	40.7	204	U
111-44-4	bis(2-chloroethyl)ether	ND	40.7	204	U
95-57-8	2-Chlorophenol	ND	40.7	204	U
541-73-1	1,3-Dichlorobenzene	ND	40.7	204	U
106-46-7	1,4-Dichlorobenzene	ND	40.7	204	U
100-51-6	Benzyl alcohol	ND	40.7	204	U
95-50-1	1,2-Dichlorobenzene	ND	40.7	204	U
95-48-7	2-Methylphenol	90.1	40.7	204	J
39638-32-9	bis(2-chloroisopropyl)ether	ND	40.7	204	U
106-44-5	3 & 4-Methylphenol	222	40.7	204	
621-64-7	N-Nitroso-di-n-propylamine	ND	40.7	204	U
67-72-1	Hexachloroethane	ND	40.7	204	U
98-95-3	Nitrobenzene	ND	40.7	204	U
78-59-1	Isophorone	ND	40.7	204	U
88-75-5	2-Nitrophenol	ND	40.7	204	U
105-67-9	2,4-Dimethylphenol	114	40.7	204	J
65-85-0	Benzoic acid	ND	101	407	U
111-91-1	bis(2-chloroethoxy)methane	ND	40.7	204	U
120-83-2	2,4-Dichlorophenol	ND	40.7	204	U
120-82-1	1,2,4-Trichlorobenzene	ND	40.7	204	U
91-20-3	Naphthalene	11100	40.7	204	E
106-47-8	4-Chloroaniline	ND	40.7	204	U
87-68-3	Hexachlorobutadiene	ND	40.7	204	U
59-50-7	4-Chloro-3-methylphenol	ND	40.7	204	U
91-57-6	2-Methylnaphthylene	4470	40.7	204	

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 3550B GCMS	File ID:	B4288.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 19:36
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	40.7	204	U
88-06-2	2,4,6-Trichlorophenol	ND	40.7	204	U
95-95-4	2,4,5-Trichlorophenol	ND	40.7	204	U
91-58-7	2-Chloronaphthalene	ND	40.7	204	U
88-74-4	2-Nitroaniline	ND	40.7	204	U
131-11-3	Dimethylphthalate	ND	40.7	204	U
208-96-8	Acenaphthylene	235	40.7	204	
99-09-2	3-Nitroaniline	ND	40.7	204	U
83-32-9	Acenaphthene	5530	40.7	204	E
51-28-5	2,4-Dinitrophenol	ND	40.7	407	U
100-02-7	4-Nitrophenol	ND	40.7	204	U
132-64-9	Dibenzofuran	6210	40.7	204	E
606-20-2	2,6-Dinitrotoluene	ND	40.7	204	U
121-14-2	2,4-Dinitrotoluene	ND	40.7	204	U
84-66-2	Diethyl phthalate	ND	40.7	204	U
7005-72-3	4-Chlorophenyl-phenylether	ND	40.7	204	U
86-73-7	Fluorene	6940	40.7	204	E
100-01-6	4-Nitroaniline	ND	40.7	204	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	40.7	204	U
86-30-6	N-Nitrosodiphenylamine	ND	40.7	204	U
101-55-3	4-Bromophenyl-phenylether	ND	40.7	204	U
118-74-1	Hexachlorobenzene	ND	40.7	204	U
87-86-5	Pentachlorophenol	ND	40.7	204	U
85-01-8	Phenanthrene	40200	40.7	204	E
120-12-7	Anthracene	9420	40.7	204	E
84-74-2	Di-n-butyl phthalate	ND	40.7	204	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 3550B GCMS	File ID:	B4288.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 19:36
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	36600	40.7	204	E
129-00-0	Pyrene	47300	40.7	204	E
85-68-7	Butylbenzylphthalate	ND	40.7	204	U
91-94-1	3,3'-Dichlorobenzidine	ND	101	204	U
56-55-3	Benzo[a]anthracene	21900	40.7	204	E
117-81-7	bis(2-ethylhexyl)phthalate	ND	40.7	204	U
218-01-9	Chrysene	14400	40.7	204	E
117-84-0	Di-n-octyl phthalate	ND	40.7	204	U
205-99-2	Benzo[b]fluoranthene	30900	40.7	204	E
207-08-9	Benzo[k]fluoranthene	7450	40.7	204	E
50-32-8	Benzo[a]pyrene	15600	40.7	204	E
193-39-5	Indeno(1,2,3-cd)pyrene	3760	40.7	204	
53-70-3	Dibenzo(a,h)anthracene	1360	40.7	204	
191-24-2	Benzo[ghi]perylene	3780	40.7	204	

Surrogate	% Recovery		Recovery Limits
2-Fluorophenol	66%		30-130
Phenol-d5	74%		30-130
Nitrobenzene-d5	88%		30-130
2-Fluorobiphenyl	79%		30-130
2,4,6-Tribromophenol	96%		30-130
Terphenyl-d14	206%	*	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06RE1
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 3550B GCMS	File ID:	B4305.D
Prep Batch:	B6L0503	Sequence:	S6L0605	Analyzed:	12/06/16 21:11
Dilution:	20			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	813	4080	U
108-95-2	Phenol	ND	813	4080	U
111-44-4	bis(2-chloroethyl)ether	ND	813	4080	U
95-57-8	2-Chlorophenol	ND	813	4080	U
541-73-1	1,3-Dichlorobenzene	ND	813	4080	U
106-46-7	1,4-Dichlorobenzene	ND	813	4080	U
100-51-6	Benzyl alcohol	ND	813	4080	U
95-50-1	1,2-Dichlorobenzene	ND	813	4080	U
95-48-7	2-Methylphenol	ND	813	4080	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	813	4080	U
106-44-5	3 & 4-Methylphenol	ND	813	4080	U
621-64-7	N-Nitroso-di-n-propylamine	ND	813	4080	U
67-72-1	Hexachloroethane	ND	813	4080	U
98-95-3	Nitrobenzene	ND	813	4080	U
78-59-1	Isophorone	ND	813	4080	U
88-75-5	2-Nitrophenol	ND	813	4080	U
105-67-9	2,4-Dimethylphenol	ND	813	4080	U
65-85-0	Benzoic acid	ND	2030	8130	U
111-91-1	bis(2-chloroethoxy)methane	ND	813	4080	U
120-83-2	2,4-Dichlorophenol	ND	813	4080	U
120-82-1	1,2,4-Trichlorobenzene	ND	813	4080	U
91-20-3	Naphthalene	16600	813	4080	D
106-47-8	4-Chloroaniline	ND	813	4080	U
87-68-3	Hexachlorobutadiene	ND	813	4080	U
59-50-7	4-Chloro-3-methylphenol	ND	813	4080	U
91-57-6	2-Methylnaphthylene	4970	813	4080	D

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06RE1
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 3550B GCMS	File ID:	B4305.D
Prep Batch:	B6L0503	Sequence:	S6L0605	Analyzed:	12/06/16 21:11
Dilution:	20			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	813	4080	U
88-06-2	2,4,6-Trichlorophenol	ND	813	4080	U
95-95-4	2,4,5-Trichlorophenol	ND	813	4080	U
91-58-7	2-Chloronaphthalene	ND	813	4080	U
88-74-4	2-Nitroaniline	ND	813	4080	U
131-11-3	Dimethylphthalate	ND	813	4080	U
208-96-8	Acenaphthylene	ND	813	4080	U
99-09-2	3-Nitroaniline	ND	813	4080	U
83-32-9	Acenaphthene	7080	813	4080	D
51-28-5	2,4-Dinitrophenol	ND	813	8130	U
100-02-7	4-Nitrophenol	ND	813	4080	U
132-64-9	Dibenzofuran	7820	813	4080	D
606-20-2	2,6-Dinitrotoluene	ND	813	4080	U
121-14-2	2,4-Dinitrotoluene	ND	813	4080	U
84-66-2	Diethyl phthalate	ND	813	4080	U
7005-72-3	4-Chlorophenyl-phenylether	ND	813	4080	U
86-73-7	Fluorene	8970	813	4080	D
100-01-6	4-Nitroaniline	ND	813	4080	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	813	4080	U
86-30-6	N-Nitrosodiphenylamine	ND	813	4080	U
101-55-3	4-Bromophenyl-phenylether	ND	813	4080	U
118-74-1	Hexachlorobenzene	ND	813	4080	U
87-86-5	Pentachlorophenol	ND	813	4080	U
85-01-8	Phenanthrene	59100	813	4080	D
120-12-7	Anthracene	11600	813	4080	D
84-74-2	Di-n-butyl phthalate	ND	813	4080	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06RE1
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 3550B GCMS	File ID:	B4305.D
Prep Batch:	B6L0503	Sequence:	S6L0605	Analyzed:	12/06/16 21:11
Dilution:	20			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	41900	813	4080	D
129-00-0	Pyrene	88800	813	4080	D
85-68-7	Butylbenzylphthalate	ND	813	4080	U
91-94-1	3,3'-Dichlorobenzidine	ND	2030	4080	U
56-55-3	Benzo[a]anthracene	19800	813	4080	D
117-81-7	bis(2-ethylhexyl)phthalate	ND	813	4080	U
218-01-9	Chrysene	18900	813	4080	D
117-84-0	Di-n-octyl phthalate	ND	813	4080	U
205-99-2	Benzo[b]fluoranthene	27500	813	4080	D
207-08-9	Benzo[k]fluoranthene	8260	813	4080	D
50-32-8	Benzo[a]pyrene	15700	813	4080	D
193-39-5	Indeno(1,2,3-cd)pyrene	4770	813	4080	D
53-70-3	Dibenzo(a,h)anthracene	ND	813	4080	U
191-24-2	Benzo[ghi]perylene	4660	813	4080	D

Surrogate	% Recovery		Recovery Limits
2-Fluorophenol	73%		30-130
Phenol-d5	82%		30-130
Nitrobenzene-d5	83%		30-130
2-Fluorobiphenyl	86%		30-130
2,4,6-Tribromophenol	78%		30-130
Terphenyl-d14	219%	*	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	87.10	Prep Method:	EPA 3550B GCMS	File ID:	B4281.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 14:25
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	38.2	192	U
108-95-2	Phenol	ND	38.2	192	U
111-44-4	bis(2-chloroethyl)ether	ND	38.2	192	U
95-57-8	2-Chlorophenol	ND	38.2	192	U
541-73-1	1,3-Dichlorobenzene	ND	38.2	192	U
106-46-7	1,4-Dichlorobenzene	ND	38.2	192	U
100-51-6	Benzyl alcohol	ND	38.2	192	U
95-50-1	1,2-Dichlorobenzene	ND	38.2	192	U
95-48-7	2-Methylphenol	ND	38.2	192	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	38.2	192	U
106-44-5	3 & 4-Methylphenol	ND	38.2	192	U
621-64-7	N-Nitroso-di-n-propylamine	ND	38.2	192	U
67-72-1	Hexachloroethane	ND	38.2	192	U
98-95-3	Nitrobenzene	ND	38.2	192	U
78-59-1	Isophorone	ND	38.2	192	U
88-75-5	2-Nitrophenol	ND	38.2	192	U
105-67-9	2,4-Dimethylphenol	ND	38.2	192	U
65-85-0	Benzoic acid	ND	95.3	382	U
111-91-1	bis(2-chloroethoxy)methane	ND	38.2	192	U
120-83-2	2,4-Dichlorophenol	ND	38.2	192	U
120-82-1	1,2,4-Trichlorobenzene	ND	38.2	192	U
91-20-3	Naphthalene	ND	38.2	192	U
106-47-8	4-Chloroaniline	ND	38.2	192	U
87-68-3	Hexachlorobutadiene	ND	38.2	192	U
59-50-7	4-Chloro-3-methylphenol	ND	38.2	192	U
91-57-6	2-Methylnaphthylene	ND	38.2	192	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	87.10	Prep Method:	EPA 3550B GCMS	File ID:	B4281.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 14:25
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	38.2	192	U
88-06-2	2,4,6-Trichlorophenol	ND	38.2	192	U
95-95-4	2,4,5-Trichlorophenol	ND	38.2	192	U
91-58-7	2-Chloronaphthalene	ND	38.2	192	U
88-74-4	2-Nitroaniline	ND	38.2	192	U
131-11-3	Dimethylphthalate	ND	38.2	192	U
208-96-8	Acenaphthylene	ND	38.2	192	U
99-09-2	3-Nitroaniline	ND	38.2	192	U
83-32-9	Acenaphthene	ND	38.2	192	U
51-28-5	2,4-Dinitrophenol	ND	38.2	382	U
100-02-7	4-Nitrophenol	ND	38.2	192	U
132-64-9	Dibenzofuran	ND	38.2	192	U
606-20-2	2,6-Dinitrotoluene	ND	38.2	192	U
121-14-2	2,4-Dinitrotoluene	ND	38.2	192	U
84-66-2	Diethyl phthalate	ND	38.2	192	U
7005-72-3	4-Chlorophenyl-phenylether	ND	38.2	192	U
86-73-7	Fluorene	ND	38.2	192	U
100-01-6	4-Nitroaniline	ND	38.2	192	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	38.2	192	U
86-30-6	N-Nitrosodiphenylamine	ND	38.2	192	U
101-55-3	4-Bromophenyl-phenylether	ND	38.2	192	U
118-74-1	Hexachlorobenzene	ND	38.2	192	U
87-86-5	Pentachlorophenol	ND	38.2	192	U
85-01-8	Phenanthrene	ND	38.2	192	U
120-12-7	Anthracene	ND	38.2	192	U
84-74-2	Di-n-butyl phthalate	ND	38.2	192	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	87.10	Prep Method:	EPA 3550B GCMS	File ID:	B4281.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 14:25
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	56.8	38.2	192	J
129-00-0	Pyrene	47.1	38.2	192	J
85-68-7	Butylbenzylphthalate	ND	38.2	192	U
91-94-1	3,3'-Dichlorobenzidine	ND	95.3	192	U
56-55-3	Benzo[a]anthracene	ND	38.2	192	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	38.2	192	U
218-01-9	Chrysene	ND	38.2	192	U
117-84-0	Di-n-octyl phthalate	ND	38.2	192	U
205-99-2	Benzo[b]fluoranthene	ND	38.2	192	U
207-08-9	Benzo[k]fluoranthene	ND	38.2	192	U
50-32-8	Benzo[a]pyrene	ND	38.2	192	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38.2	192	U
53-70-3	Dibenzo(a,h)anthracene	ND	38.2	192	U
191-24-2	Benzo[ghi]perylene	ND	38.2	192	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	52%	30-130
Phenol-d5	56%	30-130
Nitrobenzene-d5	60%	30-130
2-Fluorobiphenyl	58%	30-130
2,4,6-Tribromophenol	67%	30-130
Terphenyl-d14	64%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	86.10	Prep Method:	EPA 3550B GCMS	File ID:	B4282.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 15:10
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	38.7	194	U
108-95-2	Phenol	ND	38.7	194	U
111-44-4	bis(2-chloroethyl)ether	ND	38.7	194	U
95-57-8	2-Chlorophenol	ND	38.7	194	U
541-73-1	1,3-Dichlorobenzene	ND	38.7	194	U
106-46-7	1,4-Dichlorobenzene	ND	38.7	194	U
100-51-6	Benzyl alcohol	ND	38.7	194	U
95-50-1	1,2-Dichlorobenzene	ND	38.7	194	U
95-48-7	2-Methylphenol	ND	38.7	194	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	38.7	194	U
106-44-5	3 & 4-Methylphenol	ND	38.7	194	U
621-64-7	N-Nitroso-di-n-propylamine	ND	38.7	194	U
67-72-1	Hexachloroethane	ND	38.7	194	U
98-95-3	Nitrobenzene	ND	38.7	194	U
78-59-1	Isophorone	ND	38.7	194	U
88-75-5	2-Nitrophenol	ND	38.7	194	U
105-67-9	2,4-Dimethylphenol	ND	38.7	194	U
65-85-0	Benzoic acid	ND	96.4	387	U
111-91-1	bis(2-chloroethoxy)methane	ND	38.7	194	U
120-83-2	2,4-Dichlorophenol	ND	38.7	194	U
120-82-1	1,2,4-Trichlorobenzene	ND	38.7	194	U
91-20-3	Naphthalene	ND	38.7	194	U
106-47-8	4-Chloroaniline	ND	38.7	194	U
87-68-3	Hexachlorobutadiene	ND	38.7	194	U
59-50-7	4-Chloro-3-methylphenol	ND	38.7	194	U
91-57-6	2-Methylnaphthylene	ND	38.7	194	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	86.10	Prep Method:	EPA 3550B GCMS	File ID:	B4282.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 15:10
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
77-47-4	Hexachlorocyclopentadiene	ND	38.7	194	U
88-06-2	2,4,6-Trichlorophenol	ND	38.7	194	U
95-95-4	2,4,5-Trichlorophenol	ND	38.7	194	U
91-58-7	2-Chloronaphthalene	ND	38.7	194	U
88-74-4	2-Nitroaniline	ND	38.7	194	U
131-11-3	Dimethylphthalate	ND	38.7	194	U
208-96-8	Acenaphthylene	ND	38.7	194	U
99-09-2	3-Nitroaniline	ND	38.7	194	U
83-32-9	Acenaphthene	ND	38.7	194	U
51-28-5	2,4-Dinitrophenol	ND	38.7	387	U
100-02-7	4-Nitrophenol	ND	38.7	194	U
132-64-9	Dibenzofuran	ND	38.7	194	U
606-20-2	2,6-Dinitrotoluene	ND	38.7	194	U
121-14-2	2,4-Dinitrotoluene	ND	38.7	194	U
84-66-2	Diethyl phthalate	ND	38.7	194	U
7005-72-3	4-Chlorophenyl-phenylether	ND	38.7	194	U
86-73-7	Fluorene	ND	38.7	194	U
100-01-6	4-Nitroaniline	ND	38.7	194	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	38.7	194	U
86-30-6	N-Nitrosodiphenylamine	ND	38.7	194	U
101-55-3	4-Bromophenyl-phenylether	ND	38.7	194	U
118-74-1	Hexachlorobenzene	ND	38.7	194	U
87-86-5	Pentachlorophenol	ND	38.7	194	U
85-01-8	Phenanthrene	96.4	38.7	194	J
120-12-7	Anthracene	ND	38.7	194	U
84-74-2	Di-n-butyl phthalate	ND	38.7	194	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Prep Date:	12/05/16 08:13	Matrix:	Soil
Percent Solids:	86.10	Prep Method:	EPA 3550B GCMS	File ID:	B4282.D
Prep Batch:	B6L0503	Sequence:	S6L0506	Analyzed:	12/05/16 15:10
Dilution:	1			Analyst:	DSM

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
206-44-0	Fluoranthene	143	38.7	194	J
129-00-0	Pyrene	113	38.7	194	J
85-68-7	Butylbenzylphthalate	ND	38.7	194	U
91-94-1	3,3'-Dichlorobenzidine	ND	96.4	194	U
56-55-3	Benzo[a]anthracene	58.3	38.7	194	J
117-81-7	bis(2-ethylhexyl)phthalate	ND	38.7	194	U
218-01-9	Chrysene	61.9	38.7	194	J
117-84-0	Di-n-octyl phthalate	ND	38.7	194	U
205-99-2	Benzo[b]fluoranthene	63.3	38.7	194	J
207-08-9	Benzo[k]fluoranthene	ND	38.7	194	U
50-32-8	Benzo[a]pyrene	53.5	38.7	194	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38.7	194	U
53-70-3	Dibenzo(a,h)anthracene	ND	38.7	194	U
191-24-2	Benzo[ghi]perylene	ND	38.7	194	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	51%	30-130
Phenol-d5	55%	30-130
Nitrobenzene-d5	59%	30-130
2-Fluorobiphenyl	58%	30-130
2,4,6-Tribromophenol	69%	30-130
Terphenyl-d14	64%	30-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Prep Date:	12/06/16 13:28	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 5035A	File ID:	A10500.D
Prep Batch:	B6L0614	Sequence:	S6L0607	Analyzed:	12/06/16 13:28
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.20	12.0	U
107-13-1	Acrylonitrile	ND	2.40	12.0	U
67-64-1	Acetone	7.17	1.20	2.40	
75-71-8	Dichlorodifluoromethane	ND	1.20	2.40	U
74-87-3	Chloromethane	ND	1.20	2.40	U
75-01-4	Vinyl chloride	ND	1.20	2.40	U
74-83-9	Bromomethane	ND	1.20	2.40	U
75-00-3	Chloroethane	ND	1.20	2.40	U
75-69-4	Trichlorofluoromethane	ND	1.20	2.40	U
75-35-4	1,1-Dichloroethene	ND	1.20	2.40	U
75-15-0	Carbon disulfide	ND	1.20	2.40	U
75-09-2	Methylene Chloride	ND	1.20	2.40	U
156-60-5	trans-1,2-Dichloroethene	ND	1.20	2.40	U
75-34-3	1,1-Dichloroethane	ND	1.20	2.40	U
108-05-4	Vinyl acetate	ND	1.20	2.40	U
590-20-7	2,2-Dichloropropane	ND	1.20	2.40	U
78-93-3	2-Butanone	ND	1.20	2.40	U
156-59-4	cis-1,2-Dichloroethene	ND	1.20	2.40	U
67-66-3	Chloroform	ND	1.20	2.40	U
74-97-5	Bromochloromethane	ND	1.20	2.40	U
71-55-6	1,1,1-Trichloroethane	ND	1.20	2.40	U
563-58-6	1,1-Dichloropropene	ND	1.20	2.40	U
56-23-5	Carbon Tetrachloride	ND	1.20	2.40	U
107-06-2	1,2-Dichloroethane	ND	1.20	2.40	U
71-43-2	Benzene	ND	1.20	2.40	U
79-01-6	Trichloroethene	ND	1.20	2.40	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Prep Date:	12/06/16 13:28	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 5035A	File ID:	A10500.D
Prep Batch:	B6L0614	Sequence:	S6L0607	Analyzed:	12/06/16 13:28
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	1.20	2.40	U
75-27-4	Bromodichloromethane	ND	1.20	2.40	U
74-95-3	Dibromomethane	ND	1.20	2.40	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.20	2.40	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.20	2.40	U
108-88-3	Toluene	ND	1.20	2.40	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.20	2.40	U
79-00-5	1,1,2-Trichloroethane	ND	1.20	2.40	U
108-10-1	4-Methyl-2-pentanone	ND	1.20	2.40	U
106-93-4	1,2-Dibromoethane	ND	1.20	2.40	U
591-78-6	2-Hexanone	ND	1.20	2.40	U
142-28-9	1,3-Dichloropropane	ND	1.20	2.40	U
127-18-4	Tetrachloroethene	ND	1.20	2.40	U
124-48-1	Dibromochloromethane	ND	1.20	2.40	U
100-41-4	Ethylbenzene	ND	1.20	2.40	U
108-90-7	Chlorobenzene	ND	1.20	2.40	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.20	2.40	U
108-38-3/106-42	m,p-Xylenes	ND	2.40	4.80	U
95-47-6	o-Xylene	ND	2.40	4.80	U
100-42-5	Styrene	ND	1.20	4.80	U
75-25-2	Bromoform	ND	1.20	2.40	U
98-82-8	Isopropylbenzene	ND	1.20	2.40	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.20	2.40	U
96-18-4	1,2,3-Trichloropropane	ND	1.20	2.40	U
103-65-1	n-Propyl Benzene	ND	1.20	2.40	U
108-86-1	Bromobenzene	ND	1.20	2.40	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Prep Date:	12/06/16 13:28	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 5035A	File ID:	A10500.D
Prep Batch:	B6L0614	Sequence:	S6L0607	Analyzed:	12/06/16 13:28
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	1.20	2.40	U
95-49-8	2-Chlorotoluene	ND	1.20	2.40	U
106-43-4	4-Chlorotoluene	ND	1.20	2.40	U
98-06-6	tert-Butylbenzene	ND	1.20	2.40	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.20	2.40	U
135-98-8	sec-Butylbenzene	ND	1.20	2.40	U
99-87-6	p-Isopropyltoluene	ND	1.20	2.40	U
541-73-1	1,3-Dichlorobenzene	ND	1.20	2.40	U
106-46-7	1,4-Dichlorobenzene	ND	1.20	2.40	U
104-51-8	n-Butyl Benzene	ND	1.20	2.40	U
95-50-1	1,2-Dichlorobenzene	ND	1.20	2.40	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.20	2.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.20	2.40	U
87-68-3	Hexachlorobutadiene	ND	1.20	2.40	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.20	2.40	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	110%	70-130
Toluene-d8	100%	70-130
Bromofluorobenzene	94%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Prep Date:	12/05/16 18:37	Matrix:	Soil
Percent Solids:	76.70	Prep Method:	EPA 5035A	File ID:	A10481.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 18:37
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.05	11.7	U
107-13-1	Acrylonitrile	ND	2.35	11.7	U
67-64-1	Acetone	ND	1.17	2.35	U
75-71-8	Dichlorodifluoromethane	ND	1.17	2.35	U
74-87-3	Chloromethane	ND	1.17	2.35	U
75-01-4	Vinyl chloride	ND	1.17	2.35	U
74-83-9	Bromomethane	ND	1.17	2.35	U
75-00-3	Chloroethane	ND	1.17	2.35	U
75-69-4	Trichlorofluoromethane	ND	1.17	2.35	U
75-35-4	1,1-Dichloroethene	ND	1.17	2.35	U
75-15-0	Carbon disulfide	ND	1.17	2.35	U
75-09-2	Methylene Chloride	ND	1.17	2.35	U
156-60-5	trans-1,2-Dichloroethene	ND	1.17	2.35	U
75-34-3	1,1-Dichloroethane	ND	1.17	2.35	U
108-05-4	Vinyl acetate	ND	1.17	2.35	U
590-20-7	2,2-Dichloropropane	ND	1.17	2.35	U
78-93-3	2-Butanone	ND	1.17	2.35	U
156-59-4	cis-1,2-Dichloroethene	ND	1.17	2.35	U
67-66-3	Chloroform	ND	1.17	2.35	U
74-97-5	Bromochloromethane	ND	1.17	2.35	U
71-55-6	1,1,1-Trichloroethane	ND	1.17	2.35	U
563-58-6	1,1-Dichloropropene	ND	1.17	2.35	U
56-23-5	Carbon Tetrachloride	ND	1.17	2.35	U
107-06-2	1,2-Dichloroethane	ND	1.17	2.35	U
71-43-2	Benzene	ND	1.17	2.35	U
79-01-6	Trichloroethene	ND	1.17	2.35	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Prep Date:	12/05/16 18:37	Matrix:	Soil
Percent Solids:	76.70	Prep Method:	EPA 5035A	File ID:	A10481.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 18:37
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	1.17	2.35	U
75-27-4	Bromodichloromethane	ND	1.17	2.35	U
74-95-3	Dibromomethane	ND	1.17	2.35	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.17	2.35	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.17	2.35	U
108-88-3	Toluene	ND	1.17	2.35	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.17	2.35	U
79-00-5	1,1,2-Trichloroethane	ND	1.17	2.35	U
108-10-1	4-Methyl-2-pentanone	ND	1.17	2.35	U
106-93-4	1,2-Dibromoethane	ND	1.17	2.35	U
591-78-6	2-Hexanone	ND	1.17	2.35	U
142-28-9	1,3-Dichloropropane	ND	1.17	2.35	U
127-18-4	Tetrachloroethene	ND	1.17	2.35	U
124-48-1	Dibromochloromethane	ND	1.17	2.35	U
100-41-4	Ethylbenzene	ND	1.17	2.35	U
108-90-7	Chlorobenzene	ND	1.17	2.35	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.17	2.35	U
108-38-3/106-42	m,p-Xylenes	ND	2.35	4.70	U
95-47-6	o-Xylene	ND	2.35	4.70	U
100-42-5	Styrene	ND	1.17	4.70	U
75-25-2	Bromoform	ND	1.17	2.35	U
98-82-8	Isopropylbenzene	ND	1.17	2.35	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.17	2.35	U
96-18-4	1,2,3-Trichloropropane	ND	1.17	2.35	U
103-65-1	n-Propyl Benzene	ND	1.17	2.35	U
108-86-1	Bromobenzene	ND	1.17	2.35	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Prep Date:	12/05/16 18:37	Matrix:	Soil
Percent Solids:	76.70	Prep Method:	EPA 5035A	File ID:	A10481.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 18:37
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	1.17	2.35	U
95-49-8	2-Chlorotoluene	ND	1.17	2.35	U
106-43-4	4-Chlorotoluene	ND	1.17	2.35	U
98-06-6	tert-Butylbenzene	ND	1.17	2.35	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.17	2.35	U
135-98-8	sec-Butylbenzene	ND	1.17	2.35	U
99-87-6	p-Isopropyltoluene	ND	1.17	2.35	U
541-73-1	1,3-Dichlorobenzene	ND	1.17	2.35	U
106-46-7	1,4-Dichlorobenzene	ND	1.17	2.35	U
104-51-8	n-Butyl Benzene	ND	1.17	2.35	U
95-50-1	1,2-Dichlorobenzene	ND	1.17	2.35	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.17	2.35	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.17	2.35	U
87-68-3	Hexachlorobutadiene	ND	1.17	2.35	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.17	2.35	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	111%	70-130
Toluene-d8	86%	70-130
Bromofluorobenzene	75%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Prep Date:	12/05/16 19:09	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 5035A	File ID:	A10482.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 19:09
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.54	12.6	U
107-13-1	Acrylonitrile	ND	2.51	12.6	U
67-64-1	Acetone	ND	1.26	2.51	U
75-71-8	Dichlorodifluoromethane	ND	1.26	2.51	U
74-87-3	Chloromethane	ND	1.26	2.51	U
75-01-4	Vinyl chloride	ND	1.26	2.51	U
74-83-9	Bromomethane	ND	1.26	2.51	U
75-00-3	Chloroethane	ND	1.26	2.51	U
75-69-4	Trichlorofluoromethane	ND	1.26	2.51	U
75-35-4	1,1-Dichloroethene	ND	1.26	2.51	U
75-15-0	Carbon disulfide	ND	1.26	2.51	U
75-09-2	Methylene Chloride	ND	1.26	2.51	U
156-60-5	trans-1,2-Dichloroethene	ND	1.26	2.51	U
75-34-3	1,1-Dichloroethane	ND	1.26	2.51	U
108-05-4	Vinyl acetate	ND	1.26	2.51	U
590-20-7	2,2-Dichloropropane	ND	1.26	2.51	U
78-93-3	2-Butanone	ND	1.26	2.51	U
156-59-4	cis-1,2-Dichloroethene	ND	1.26	2.51	U
67-66-3	Chloroform	ND	1.26	2.51	U
74-97-5	Bromochloromethane	ND	1.26	2.51	U
71-55-6	1,1,1-Trichloroethane	ND	1.26	2.51	U
563-58-6	1,1-Dichloropropene	ND	1.26	2.51	U
56-23-5	Carbon Tetrachloride	ND	1.26	2.51	U
107-06-2	1,2-Dichloroethane	ND	1.26	2.51	U
71-43-2	Benzene	ND	1.26	2.51	U
79-01-6	Trichloroethene	ND	1.26	2.51	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Prep Date:	12/05/16 19:09	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 5035A	File ID:	A10482.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 19:09
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	1.26	2.51	U
75-27-4	Bromodichloromethane	ND	1.26	2.51	U
74-95-3	Dibromomethane	ND	1.26	2.51	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.26	2.51	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.26	2.51	U
108-88-3	Toluene	ND	1.26	2.51	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.26	2.51	U
79-00-5	1,1,2-Trichloroethane	ND	1.26	2.51	U
108-10-1	4-Methyl-2-pentanone	ND	1.26	2.51	U
106-93-4	1,2-Dibromoethane	ND	1.26	2.51	U
591-78-6	2-Hexanone	ND	1.26	2.51	U
142-28-9	1,3-Dichloropropane	ND	1.26	2.51	U
127-18-4	Tetrachloroethene	ND	1.26	2.51	U
124-48-1	Dibromochloromethane	ND	1.26	2.51	U
100-41-4	Ethylbenzene	ND	1.26	2.51	U
108-90-7	Chlorobenzene	ND	1.26	2.51	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.26	2.51	U
108-38-3/106-42	m,p-Xylenes	ND	2.51	5.03	U
95-47-6	o-Xylene	ND	2.51	5.03	U
100-42-5	Styrene	ND	1.26	5.03	U
75-25-2	Bromoform	ND	1.26	2.51	U
98-82-8	Isopropylbenzene	ND	1.26	2.51	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.26	2.51	U
96-18-4	1,2,3-Trichloropropane	ND	1.26	2.51	U
103-65-1	n-Propyl Benzene	ND	1.26	2.51	U
108-86-1	Bromobenzene	ND	1.26	2.51	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Prep Date:	12/05/16 19:09	Matrix:	Soil
Percent Solids:	79.40	Prep Method:	EPA 5035A	File ID:	A10482.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 19:09
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	1.26	2.51	U
95-49-8	2-Chlorotoluene	ND	1.26	2.51	U
106-43-4	4-Chlorotoluene	ND	1.26	2.51	U
98-06-6	tert-Butylbenzene	ND	1.26	2.51	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.26	2.51	U
135-98-8	sec-Butylbenzene	ND	1.26	2.51	U
99-87-6	p-Isopropyltoluene	ND	1.26	2.51	U
541-73-1	1,3-Dichlorobenzene	ND	1.26	2.51	U
106-46-7	1,4-Dichlorobenzene	ND	1.26	2.51	U
104-51-8	n-Butyl Benzene	ND	1.26	2.51	U
95-50-1	1,2-Dichlorobenzene	ND	1.26	2.51	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.26	2.51	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.26	2.51	U
87-68-3	Hexachlorobutadiene	ND	1.26	2.51	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.26	2.51	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	115%	70-130
Toluene-d8	91%	70-130
Bromofluorobenzene	78%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Prep Date:	12/05/16 19:40	Matrix:	Soil
Percent Solids:	80.00	Prep Method:	EPA 5035A	File ID:	A10483.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 19:40
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	7.10	11.8	U
107-13-1	Acrylonitrile	ND	2.37	11.8	U
67-64-1	Acetone	ND	1.18	2.37	U
75-71-8	Dichlorodifluoromethane	ND	1.18	2.37	U
74-87-3	Chloromethane	ND	1.18	2.37	U
75-01-4	Vinyl chloride	ND	1.18	2.37	U
74-83-9	Bromomethane	ND	1.18	2.37	U
75-00-3	Chloroethane	ND	1.18	2.37	U
75-69-4	Trichlorofluoromethane	ND	1.18	2.37	U
75-35-4	1,1-Dichloroethene	ND	1.18	2.37	U
75-15-0	Carbon disulfide	ND	1.18	2.37	U
75-09-2	Methylene Chloride	ND	1.18	2.37	U
156-60-5	trans-1,2-Dichloroethene	ND	1.18	2.37	U
75-34-3	1,1-Dichloroethane	ND	1.18	2.37	U
108-05-4	Vinyl acetate	ND	1.18	2.37	U
590-20-7	2,2-Dichloropropane	ND	1.18	2.37	U
78-93-3	2-Butanone	ND	1.18	2.37	U
156-59-4	cis-1,2-Dichloroethene	ND	1.18	2.37	U
67-66-3	Chloroform	ND	1.18	2.37	U
74-97-5	Bromochloromethane	ND	1.18	2.37	U
71-55-6	1,1,1-Trichloroethane	ND	1.18	2.37	U
563-58-6	1,1-Dichloropropene	ND	1.18	2.37	U
56-23-5	Carbon Tetrachloride	ND	1.18	2.37	U
107-06-2	1,2-Dichloroethane	ND	1.18	2.37	U
71-43-2	Benzene	ND	1.18	2.37	U
79-01-6	Trichloroethene	ND	1.18	2.37	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Prep Date:	12/05/16 19:40	Matrix:	Soil
Percent Solids:	80.00	Prep Method:	EPA 5035A	File ID:	A10483.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 19:40
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	1.18	2.37	U
75-27-4	Bromodichloromethane	ND	1.18	2.37	U
74-95-3	Dibromomethane	ND	1.18	2.37	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.18	2.37	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.18	2.37	U
108-88-3	Toluene	ND	1.18	2.37	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.18	2.37	U
79-00-5	1,1,2-Trichloroethane	ND	1.18	2.37	U
108-10-1	4-Methyl-2-pentanone	ND	1.18	2.37	U
106-93-4	1,2-Dibromoethane	ND	1.18	2.37	U
591-78-6	2-Hexanone	ND	1.18	2.37	U
142-28-9	1,3-Dichloropropane	ND	1.18	2.37	U
127-18-4	Tetrachloroethene	ND	1.18	2.37	U
124-48-1	Dibromochloromethane	ND	1.18	2.37	U
100-41-4	Ethylbenzene	ND	1.18	2.37	U
108-90-7	Chlorobenzene	ND	1.18	2.37	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.18	2.37	U
108-38-3/106-42	m,p-Xylenes	ND	2.37	4.73	U
95-47-6	o-Xylene	ND	2.37	4.73	U
100-42-5	Styrene	ND	1.18	4.73	U
75-25-2	Bromoform	ND	1.18	2.37	U
98-82-8	Isopropylbenzene	ND	1.18	2.37	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.18	2.37	U
96-18-4	1,2,3-Trichloropropane	ND	1.18	2.37	U
103-65-1	n-Propyl Benzene	ND	1.18	2.37	U
108-86-1	Bromobenzene	ND	1.18	2.37	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Prep Date:	12/05/16 19:40	Matrix:	Soil
Percent Solids:	80.00	Prep Method:	EPA 5035A	File ID:	A10483.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 19:40
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	1.18	2.37	U
95-49-8	2-Chlorotoluene	ND	1.18	2.37	U
106-43-4	4-Chlorotoluene	ND	1.18	2.37	U
98-06-6	tert-Butylbenzene	ND	1.18	2.37	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.18	2.37	U
135-98-8	sec-Butylbenzene	ND	1.18	2.37	U
99-87-6	p-Isopropyltoluene	ND	1.18	2.37	U
541-73-1	1,3-Dichlorobenzene	ND	1.18	2.37	U
106-46-7	1,4-Dichlorobenzene	ND	1.18	2.37	U
104-51-8	n-Butyl Benzene	ND	1.18	2.37	U
95-50-1	1,2-Dichlorobenzene	ND	1.18	2.37	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.18	2.37	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.18	2.37	U
87-68-3	Hexachlorobutadiene	ND	1.18	2.37	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.18	2.37	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	110%	70-130
Toluene-d8	82%	70-130
Bromofluorobenzene	73%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Prep Date:	12/05/16 20:11	Matrix:	Soil
Percent Solids:	83.20	Prep Method:	EPA 5035A	File ID:	A10484.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 20:11
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	5.56	9.27	U
107-13-1	Acrylonitrile	ND	1.85	9.27	U
67-64-1	Acetone	1.85	0.927	1.85	
75-71-8	Dichlorodifluoromethane	ND	0.927	1.85	U
74-87-3	Chloromethane	ND	0.927	1.85	U
75-01-4	Vinyl chloride	ND	0.927	1.85	U
74-83-9	Bromomethane	ND	0.927	1.85	U
75-00-3	Chloroethane	ND	0.927	1.85	U
75-69-4	Trichlorofluoromethane	ND	0.927	1.85	U
75-35-4	1,1-Dichloroethene	ND	0.927	1.85	U
75-15-0	Carbon disulfide	ND	0.927	1.85	U
75-09-2	Methylene Chloride	ND	0.927	1.85	U
156-60-5	trans-1,2-Dichloroethene	ND	0.927	1.85	U
75-34-3	1,1-Dichloroethane	ND	0.927	1.85	U
108-05-4	Vinyl acetate	ND	0.927	1.85	U
590-20-7	2,2-Dichloropropane	ND	0.927	1.85	U
78-93-3	2-Butanone	ND	0.927	1.85	U
156-59-4	cis-1,2-Dichloroethene	ND	0.927	1.85	U
67-66-3	Chloroform	ND	0.927	1.85	U
74-97-5	Bromochloromethane	ND	0.927	1.85	U
71-55-6	1,1,1-Trichloroethane	ND	0.927	1.85	U
563-58-6	1,1-Dichloropropene	ND	0.927	1.85	U
56-23-5	Carbon Tetrachloride	ND	0.927	1.85	U
107-06-2	1,2-Dichloroethane	ND	0.927	1.85	U
71-43-2	Benzene	ND	0.927	1.85	U
79-01-6	Trichloroethene	ND	0.927	1.85	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Prep Date:	12/05/16 20:11	Matrix:	Soil
Percent Solids:	83.20	Prep Method:	EPA 5035A	File ID:	A10484.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 20:11
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	0.927	1.85	U
75-27-4	Bromodichloromethane	ND	0.927	1.85	U
74-95-3	Dibromomethane	ND	0.927	1.85	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.927	1.85	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.927	1.85	U
108-88-3	Toluene	ND	0.927	1.85	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.927	1.85	U
79-00-5	1,1,2-Trichloroethane	ND	0.927	1.85	U
108-10-1	4-Methyl-2-pentanone	ND	0.927	1.85	U
106-93-4	1,2-Dibromoethane	ND	0.927	1.85	U
591-78-6	2-Hexanone	ND	0.927	1.85	U
142-28-9	1,3-Dichloropropane	ND	0.927	1.85	U
127-18-4	Tetrachloroethene	ND	0.927	1.85	U
124-48-1	Dibromochloromethane	ND	0.927	1.85	U
100-41-4	Ethylbenzene	ND	0.927	1.85	U
108-90-7	Chlorobenzene	ND	0.927	1.85	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.927	1.85	U
108-38-3/106-42	m,p-Xylenes	ND	1.85	3.71	U
95-47-6	o-Xylene	ND	1.85	3.71	U
100-42-5	Styrene	ND	0.927	3.71	U
75-25-2	Bromoform	ND	0.927	1.85	U
98-82-8	Isopropylbenzene	ND	0.927	1.85	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.927	1.85	U
96-18-4	1,2,3-Trichloropropane	ND	0.927	1.85	U
103-65-1	n-Propyl Benzene	ND	0.927	1.85	U
108-86-1	Bromobenzene	ND	0.927	1.85	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Prep Date:	12/05/16 20:11	Matrix:	Soil
Percent Solids:	83.20	Prep Method:	EPA 5035A	File ID:	A10484.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 20:11
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	0.927	1.85	U
95-49-8	2-Chlorotoluene	ND	0.927	1.85	U
106-43-4	4-Chlorotoluene	ND	0.927	1.85	U
98-06-6	tert-Butylbenzene	ND	0.927	1.85	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.927	1.85	U
135-98-8	sec-Butylbenzene	ND	0.927	1.85	U
99-87-6	p-Isopropyltoluene	ND	0.927	1.85	U
541-73-1	1,3-Dichlorobenzene	ND	0.927	1.85	U
106-46-7	1,4-Dichlorobenzene	ND	0.927	1.85	U
104-51-8	n-Butyl Benzene	ND	0.927	1.85	U
95-50-1	1,2-Dichlorobenzene	ND	0.927	1.85	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.927	1.85	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.927	1.85	U
87-68-3	Hexachlorobutadiene	ND	0.927	1.85	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.927	1.85	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	101%	70-130
Toluene-d8	100%	70-130
Bromofluorobenzene	91%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/07/16 13:17	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 5035A	File ID:	A10522.D
Prep Batch:	B6L0715	Sequence:	S6L0708	Analyzed:	12/07/16 13:17
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	6.72	11.2	U
107-13-1	Acrylonitrile	ND	2.24	11.2	U
67-64-1	Acetone	ND	1.12	2.24	U
75-71-8	Dichlorodifluoromethane	ND	1.12	2.24	U
74-87-3	Chloromethane	ND	1.12	2.24	U
75-01-4	Vinyl chloride	ND	1.12	2.24	U
74-83-9	Bromomethane	ND	1.12	2.24	U
75-00-3	Chloroethane	ND	1.12	2.24	U
75-69-4	Trichlorofluoromethane	ND	1.12	2.24	U
75-35-4	1,1-Dichloroethene	ND	1.12	2.24	U
75-15-0	Carbon disulfide	ND	1.12	2.24	U
75-09-2	Methylene Chloride	ND	1.12	2.24	U
156-60-5	trans-1,2-Dichloroethene	ND	1.12	2.24	U
75-34-3	1,1-Dichloroethane	ND	1.12	2.24	U
108-05-4	Vinyl acetate	ND	1.12	2.24	U
590-20-7	2,2-Dichloropropane	ND	1.12	2.24	U
78-93-3	2-Butanone	ND	1.12	2.24	U
156-59-4	cis-1,2-Dichloroethene	ND	1.12	2.24	U
67-66-3	Chloroform	ND	1.12	2.24	U
74-97-5	Bromochloromethane	ND	1.12	2.24	U
71-55-6	1,1,1-Trichloroethane	ND	1.12	2.24	U
563-58-6	1,1-Dichloropropene	ND	1.12	2.24	U
56-23-5	Carbon Tetrachloride	ND	1.12	2.24	U
107-06-2	1,2-Dichloroethane	ND	1.12	2.24	U
71-43-2	Benzene	ND	1.12	2.24	U
79-01-6	Trichloroethene	ND	1.12	2.24	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/07/16 13:17	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 5035A	File ID:	A10522.D
Prep Batch:	B6L0715	Sequence:	S6L0708	Analyzed:	12/07/16 13:17
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	1.12	2.24	U
75-27-4	Bromodichloromethane	ND	1.12	2.24	U
74-95-3	Dibromomethane	ND	1.12	2.24	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.12	2.24	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.12	2.24	U
108-88-3	Toluene	ND	1.12	2.24	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.12	2.24	U
79-00-5	1,1,2-Trichloroethane	ND	1.12	2.24	U
108-10-1	4-Methyl-2-pentanone	ND	1.12	2.24	U
106-93-4	1,2-Dibromoethane	ND	1.12	2.24	U
591-78-6	2-Hexanone	ND	1.12	2.24	U
142-28-9	1,3-Dichloropropane	ND	1.12	2.24	U
127-18-4	Tetrachloroethene	ND	1.12	2.24	U
124-48-1	Dibromochloromethane	ND	1.12	2.24	U
100-41-4	Ethylbenzene	ND	1.12	2.24	U
108-90-7	Chlorobenzene	ND	1.12	2.24	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.12	2.24	U
108-38-3/106-42	m,p-Xylenes	ND	2.24	4.48	U
95-47-6	o-Xylene	ND	2.24	4.48	U
100-42-5	Styrene	ND	1.12	4.48	U
75-25-2	Bromoform	ND	1.12	2.24	U
98-82-8	Isopropylbenzene	ND	1.12	2.24	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.12	2.24	U
96-18-4	1,2,3-Trichloropropane	ND	1.12	2.24	U
103-65-1	n-Propyl Benzene	ND	1.12	2.24	U
108-86-1	Bromobenzene	ND	1.12	2.24	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Prep Date:	12/07/16 13:17	Matrix:	Soil
Percent Solids:	81.90	Prep Method:	EPA 5035A	File ID:	A10522.D
Prep Batch:	B6L0715	Sequence:	S6L0708	Analyzed:	12/07/16 13:17
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	1.12	2.24	U
95-49-8	2-Chlorotoluene	ND	1.12	2.24	U
106-43-4	4-Chlorotoluene	ND	1.12	2.24	U
98-06-6	tert-Butylbenzene	ND	1.12	2.24	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.12	2.24	U
135-98-8	sec-Butylbenzene	ND	1.12	2.24	U
99-87-6	p-Isopropyltoluene	ND	1.12	2.24	U
541-73-1	1,3-Dichlorobenzene	ND	1.12	2.24	U
106-46-7	1,4-Dichlorobenzene	ND	1.12	2.24	U
104-51-8	n-Butyl Benzene	ND	1.12	2.24	U
95-50-1	1,2-Dichlorobenzene	ND	1.12	2.24	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.12	2.24	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.12	2.24	U
87-68-3	Hexachlorobutadiene	ND	1.12	2.24	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.12	2.24	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	120%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	87%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Prep Date:	12/05/16 21:14	Matrix:	Soil
Percent Solids:	87.10	Prep Method:	EPA 5035A	File ID:	A10486.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 21:14
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	5.60	9.33	U
107-13-1	Acrylonitrile	ND	1.87	9.33	U
67-64-1	Acetone	6.59	0.933	1.87	
75-71-8	Dichlorodifluoromethane	ND	0.933	1.87	U
74-87-3	Chloromethane	ND	0.933	1.87	U
75-01-4	Vinyl chloride	ND	0.933	1.87	U
74-83-9	Bromomethane	ND	0.933	1.87	U
75-00-3	Chloroethane	ND	0.933	1.87	U
75-69-4	Trichlorofluoromethane	ND	0.933	1.87	U
75-35-4	1,1-Dichloroethene	ND	0.933	1.87	U
75-15-0	Carbon disulfide	ND	0.933	1.87	U
75-09-2	Methylene Chloride	ND	0.933	1.87	U
156-60-5	trans-1,2-Dichloroethene	ND	0.933	1.87	U
75-34-3	1,1-Dichloroethane	ND	0.933	1.87	U
108-05-4	Vinyl acetate	ND	0.933	1.87	U
590-20-7	2,2-Dichloropropane	ND	0.933	1.87	U
78-93-3	2-Butanone	ND	0.933	1.87	U
156-59-4	cis-1,2-Dichloroethene	ND	0.933	1.87	U
67-66-3	Chloroform	ND	0.933	1.87	U
74-97-5	Bromochloromethane	ND	0.933	1.87	U
71-55-6	1,1,1-Trichloroethane	ND	0.933	1.87	U
563-58-6	1,1-Dichloropropene	ND	0.933	1.87	U
56-23-5	Carbon Tetrachloride	ND	0.933	1.87	U
107-06-2	1,2-Dichloroethane	ND	0.933	1.87	U
71-43-2	Benzene	ND	0.933	1.87	U
79-01-6	Trichloroethene	ND	0.933	1.87	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Prep Date:	12/05/16 21:14	Matrix:	Soil
Percent Solids:	87.10	Prep Method:	EPA 5035A	File ID:	A10486.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 21:14
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	0.933	1.87	U
75-27-4	Bromodichloromethane	ND	0.933	1.87	U
74-95-3	Dibromomethane	ND	0.933	1.87	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.933	1.87	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.933	1.87	U
108-88-3	Toluene	ND	0.933	1.87	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.933	1.87	U
79-00-5	1,1,2-Trichloroethane	ND	0.933	1.87	U
108-10-1	4-Methyl-2-pentanone	ND	0.933	1.87	U
106-93-4	1,2-Dibromoethane	ND	0.933	1.87	U
591-78-6	2-Hexanone	ND	0.933	1.87	U
142-28-9	1,3-Dichloropropane	ND	0.933	1.87	U
127-18-4	Tetrachloroethene	ND	0.933	1.87	U
124-48-1	Dibromochloromethane	ND	0.933	1.87	U
100-41-4	Ethylbenzene	ND	0.933	1.87	U
108-90-7	Chlorobenzene	ND	0.933	1.87	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.933	1.87	U
108-38-3/106-42	m,p-Xylenes	ND	1.87	3.73	U
95-47-6	o-Xylene	ND	1.87	3.73	U
100-42-5	Styrene	ND	0.933	3.73	U
75-25-2	Bromoform	ND	0.933	1.87	U
98-82-8	Isopropylbenzene	ND	0.933	1.87	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.933	1.87	U
96-18-4	1,2,3-Trichloropropane	ND	0.933	1.87	U
103-65-1	n-Propyl Benzene	ND	0.933	1.87	U
108-86-1	Bromobenzene	ND	0.933	1.87	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Prep Date:	12/05/16 21:14	Matrix:	Soil
Percent Solids:	87.10	Prep Method:	EPA 5035A	File ID:	A10486.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 21:14
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	0.933	1.87	U
95-49-8	2-Chlorotoluene	ND	0.933	1.87	U
106-43-4	4-Chlorotoluene	ND	0.933	1.87	U
98-06-6	tert-Butylbenzene	ND	0.933	1.87	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.933	1.87	U
135-98-8	sec-Butylbenzene	ND	0.933	1.87	U
99-87-6	p-Isopropyltoluene	ND	0.933	1.87	U
541-73-1	1,3-Dichlorobenzene	ND	0.933	1.87	U
106-46-7	1,4-Dichlorobenzene	ND	0.933	1.87	U
104-51-8	n-Butyl Benzene	ND	0.933	1.87	U
95-50-1	1,2-Dichlorobenzene	ND	0.933	1.87	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.933	1.87	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.933	1.87	U
87-68-3	Hexachlorobutadiene	ND	0.933	1.87	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.933	1.87	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	107%	70-130
Toluene-d8	100%	70-130
Bromofluorobenzene	91%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Prep Date:	12/05/16 21:46	Matrix:	Soil
Percent Solids:	86.10	Prep Method:	EPA 5035A	File ID:	A10487.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 21:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
107-02-8	Acrolein	ND	5.56	9.26	U
107-13-1	Acrylonitrile	ND	1.85	9.26	U
67-64-1	Acetone	18.2	0.926	1.85	
75-71-8	Dichlorodifluoromethane	ND	0.926	1.85	U
74-87-3	Chloromethane	ND	0.926	1.85	U
75-01-4	Vinyl chloride	ND	0.926	1.85	U
74-83-9	Bromomethane	ND	0.926	1.85	U
75-00-3	Chloroethane	ND	0.926	1.85	U
75-69-4	Trichlorofluoromethane	ND	0.926	1.85	U
75-35-4	1,1-Dichloroethene	ND	0.926	1.85	U
75-15-0	Carbon disulfide	ND	0.926	1.85	U
75-09-2	Methylene Chloride	ND	0.926	1.85	U
156-60-5	trans-1,2-Dichloroethene	ND	0.926	1.85	U
75-34-3	1,1-Dichloroethane	ND	0.926	1.85	U
108-05-4	Vinyl acetate	ND	0.926	1.85	U
590-20-7	2,2-Dichloropropane	ND	0.926	1.85	U
78-93-3	2-Butanone	5.22	0.926	1.85	
156-59-4	cis-1,2-Dichloroethene	ND	0.926	1.85	U
67-66-3	Chloroform	ND	0.926	1.85	U
74-97-5	Bromochloromethane	ND	0.926	1.85	U
71-55-6	1,1,1-Trichloroethane	ND	0.926	1.85	U
563-58-6	1,1-Dichloropropene	ND	0.926	1.85	U
56-23-5	Carbon Tetrachloride	ND	0.926	1.85	U
107-06-2	1,2-Dichloroethane	ND	0.926	1.85	U
71-43-2	Benzene	ND	0.926	1.85	U
79-01-6	Trichloroethene	ND	0.926	1.85	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Prep Date:	12/05/16 21:46	Matrix:	Soil
Percent Solids:	86.10	Prep Method:	EPA 5035A	File ID:	A10487.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 21:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	0.926	1.85	U
75-27-4	Bromodichloromethane	ND	0.926	1.85	U
74-95-3	Dibromomethane	ND	0.926	1.85	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.926	1.85	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.926	1.85	U
108-88-3	Toluene	ND	0.926	1.85	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.926	1.85	U
79-00-5	1,1,2-Trichloroethane	ND	0.926	1.85	U
108-10-1	4-Methyl-2-pentanone	ND	0.926	1.85	U
106-93-4	1,2-Dibromoethane	ND	0.926	1.85	U
591-78-6	2-Hexanone	ND	0.926	1.85	U
142-28-9	1,3-Dichloropropane	ND	0.926	1.85	U
127-18-4	Tetrachloroethene	ND	0.926	1.85	U
124-48-1	Dibromochloromethane	ND	0.926	1.85	U
100-41-4	Ethylbenzene	ND	0.926	1.85	U
108-90-7	Chlorobenzene	ND	0.926	1.85	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.926	1.85	U
108-38-3/106-42	m,p-Xylenes	ND	1.85	3.70	U
95-47-6	o-Xylene	ND	1.85	3.70	U
100-42-5	Styrene	ND	0.926	3.70	U
75-25-2	Bromoform	ND	0.926	1.85	U
98-82-8	Isopropylbenzene	ND	0.926	1.85	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.926	1.85	U
96-18-4	1,2,3-Trichloropropane	ND	0.926	1.85	U
103-65-1	n-Propyl Benzene	ND	0.926	1.85	U
108-86-1	Bromobenzene	ND	0.926	1.85	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Prep Date:	12/05/16 21:46	Matrix:	Soil
Percent Solids:	86.10	Prep Method:	EPA 5035A	File ID:	A10487.D
Prep Batch:	B6L0515	Sequence:	S6L0509	Analyzed:	12/05/16 21:46
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/kg dry)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	0.926	1.85	U
95-49-8	2-Chlorotoluene	ND	0.926	1.85	U
106-43-4	4-Chlorotoluene	ND	0.926	1.85	U
98-06-6	tert-Butylbenzene	ND	0.926	1.85	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.926	1.85	U
135-98-8	sec-Butylbenzene	ND	0.926	1.85	U
99-87-6	p-Isopropyltoluene	ND	0.926	1.85	U
541-73-1	1,3-Dichlorobenzene	ND	0.926	1.85	U
106-46-7	1,4-Dichlorobenzene	ND	0.926	1.85	U
104-51-8	n-Butyl Benzene	ND	0.926	1.85	U
95-50-1	1,2-Dichlorobenzene	ND	0.926	1.85	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.926	1.85	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.926	1.85	U
87-68-3	Hexachlorobutadiene	ND	0.926	1.85	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.926	1.85	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	107%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	86%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

METALS

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:15	Matrix:	Soil
Percent Solids:	79.40	File ID:	120616A-019

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	10600	18.1	18.1	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7439-97-6	Mercury	0.215	0.0945	0.0945	1		12/06/16 07:56	EPA 7471A	12/07/16 11:38 PRT	EPA 7471
7440-36-0	Antimony	ND	3.62	3.62	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-38-2	Arsenic	2.28	0.906	0.906	1		12/05/16 08:56	EPA 3050B	12/07/16 11:31 LIT	EPA 6010
7440-39-3	Barium	76.9	18.1	18.1	1		12/05/16 08:56	EPA 3050B	12/07/16 11:31 LIT	EPA 6010
7440-41-7	Beryllium	0.492	0.453	0.453	1		12/05/16 08:56	EPA 3050B	12/07/16 11:31 LIT	EPA 6010
7440-43-9	Cadmium	1.35	0.453	0.453	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-70-2	Calcium	13200	22.7	22.7	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-47-3	Chromium	21.0	1.81	1.81	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-48-4	Cobalt	9.53	4.53	4.53	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-50-8	Copper	46.1	2.72	2.72	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7439-89-6	Iron	24100	566	566	25	D	12/05/16 08:56	EPA 3050B	12/06/16 13:51 LIT	EPA 6010
7439-92-1	Lead	169	0.906	0.906	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7439-95-4	Magnesium	7500	45.3	45.3	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7439-96-5	Manganese	400	1.81	1.81	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-02-0	Nickel	18.3	3.62	3.62	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-09-7	Potassium	1540	45.3	45.3	1		12/05/16 08:56	EPA 3050B	12/07/16 11:31 LIT	EPA 6010
7782-49-2	Selenium	ND	3.62	3.62	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-22-4	Silver	ND	0.453	0.453	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-23-5	Sodium	275	45.3	45.3	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-28-0	Thallium	ND	1.36	2.72	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010
7440-62-2	Vanadium	30.6	4.53	4.53	1		12/05/16 08:56	EPA 3050B	12/07/16 11:31 LIT	EPA 6010
7440-66-6	Zinc	150	5.44	5.44	1		12/05/16 08:56	EPA 3050B	12/06/16 11:25 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
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B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:24	Matrix:	Soil
Percent Solids:	76.70	File ID:	120616A-022

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	11100	25.5	25.5	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7439-97-6	Mercury	0.223	0.0978	0.0978	1		12/06/16 07:56	EPA 7471A	12/07/16 11:47 PRT	EPA 7471
7440-36-0	Antimony	ND	5.10	5.10	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-38-2	Arsenic	2.84	1.27	1.27	1		12/05/16 08:56	EPA 3050B	12/07/16 11:46 LIT	EPA 6010
7440-39-3	Barium	76.7	25.5	25.5	1		12/05/16 08:56	EPA 3050B	12/07/16 11:46 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.637	0.637	1	U	12/05/16 08:56	EPA 3050B	12/07/16 11:46 LIT	EPA 6010
7440-43-9	Cadmium	1.27	0.637	0.637	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-70-2	Calcium	6920	31.9	31.9	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-47-3	Chromium	20.8	2.55	2.55	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-48-4	Cobalt	9.86	6.37	6.37	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-50-8	Copper	46.0	3.82	3.82	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7439-89-6	Iron	27100	797	797	25	D	12/05/16 08:56	EPA 3050B	12/06/16 13:56 LIT	EPA 6010
7439-92-1	Lead	134	1.27	1.27	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7439-95-4	Magnesium	5830	63.7	63.7	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7439-96-5	Manganese	411	2.55	2.55	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-02-0	Nickel	18.7	5.10	5.10	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-09-7	Potassium	1490	63.7	63.7	1		12/05/16 08:56	EPA 3050B	12/07/16 11:46 LIT	EPA 6010
7782-49-2	Selenium	ND	2.55	5.10	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-22-4	Silver	ND	0.637	0.637	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-23-5	Sodium	283	63.7	63.7	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-28-0	Thallium	ND	1.91	3.82	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010
7440-62-2	Vanadium	30.7	6.37	6.37	1		12/05/16 08:56	EPA 3050B	12/07/16 11:46 LIT	EPA 6010
7440-66-6	Zinc	151	7.65	7.65	1		12/05/16 08:56	EPA 3050B	12/06/16 11:40 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:32	Matrix:	Soil
Percent Solids:	79.40	File ID:	120616A-023

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	12000	20.5	20.5	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7439-97-6	Mercury	0.202	0.0945	0.0945	1		12/06/16 07:56	EPA 7471A	12/07/16 11:49 PRT	EPA 7471
7440-36-0	Antimony	ND	4.10	4.10	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-38-2	Arsenic	1.73	1.02	1.02	1		12/05/16 08:56	EPA 3050B	12/07/16 11:51 LIT	EPA 6010
7440-39-3	Barium	52.5	20.5	20.5	1		12/05/16 08:56	EPA 3050B	12/07/16 11:51 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.512	0.512	1	U	12/05/16 08:56	EPA 3050B	12/07/16 11:51 LIT	EPA 6010
7440-43-9	Cadmium	0.770	0.512	0.512	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-70-2	Calcium	3580	25.6	25.6	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-47-3	Chromium	21.1	2.05	2.05	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-48-4	Cobalt	8.71	5.12	5.12	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-50-8	Copper	24.8	3.07	3.07	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7439-89-6	Iron	20600	640	640	25	D	12/05/16 08:56	EPA 3050B	12/06/16 14:01 LIT	EPA 6010
7439-92-1	Lead	48.8	1.02	1.02	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7439-95-4	Magnesium	5090	51.2	51.2	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7439-96-5	Manganese	389	2.05	2.05	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-02-0	Nickel	15.7	4.10	4.10	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-09-7	Potassium	1230	51.2	51.2	1		12/05/16 08:56	EPA 3050B	12/07/16 11:51 LIT	EPA 6010
7782-49-2	Selenium	ND	2.05	4.10	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-22-4	Silver	ND	0.512	0.512	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-23-5	Sodium	227	51.2	51.2	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-28-0	Thallium	ND	1.54	3.07	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010
7440-62-2	Vanadium	28.3	5.12	5.12	1		12/05/16 08:56	EPA 3050B	12/07/16 11:51 LIT	EPA 6010
7440-66-6	Zinc	92.3	6.15	6.15	1		12/05/16 08:56	EPA 3050B	12/06/16 11:45 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Matrix:	Soil
Percent Solids:	80.00	File ID:	120616A-024

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	11200	22.6	22.6	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7439-97-6	Mercury	0.269	0.0938	0.0938	1		12/06/16 07:56	EPA 7471A	12/07/16 11:51 PRT	EPA 7471
7440-36-0	Antimony	ND	4.51	4.51	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-38-2	Arsenic	2.11	1.13	1.13	1		12/05/16 08:56	EPA 3050B	12/07/16 11:56 LIT	EPA 6010
7440-39-3	Barium	69.9	22.6	22.6	1		12/05/16 08:56	EPA 3050B	12/07/16 11:56 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.564	0.564	1	U	12/05/16 08:56	EPA 3050B	12/07/16 11:56 LIT	EPA 6010
7440-43-9	Cadmium	1.15	0.564	0.564	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-70-2	Calcium	7290	28.2	28.2	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-47-3	Chromium	21.5	2.26	2.26	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-48-4	Cobalt	9.88	5.64	5.64	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-50-8	Copper	48.3	3.38	3.38	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7439-89-6	Iron	24900	705	705	25	D	12/05/16 08:56	EPA 3050B	12/06/16 14:06 LIT	EPA 6010
7439-92-1	Lead	174	1.13	1.13	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7439-95-4	Magnesium	6270	56.4	56.4	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7439-96-5	Manganese	466	2.26	2.26	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-02-0	Nickel	17.6	4.51	4.51	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-09-7	Potassium	1530	56.4	56.4	1		12/05/16 08:56	EPA 3050B	12/07/16 11:56 LIT	EPA 6010
7782-49-2	Selenium	ND	2.26	4.51	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-22-4	Silver	ND	0.564	0.564	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-23-5	Sodium	279	56.4	56.4	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-28-0	Thallium	ND	1.69	3.38	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010
7440-62-2	Vanadium	29.7	5.64	5.64	1		12/05/16 08:56	EPA 3050B	12/07/16 11:56 LIT	EPA 6010
7440-66-6	Zinc	127	6.77	6.77	1		12/05/16 08:56	EPA 3050B	12/06/16 11:50 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
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E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:55	Matrix:	Soil
Percent Solids:	83.20	File ID:	120616A-025

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	11500	18.2	18.2	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0901	0.0901	1	U	12/06/16 07:56	EPA 7471A	12/07/16 11:53 PRT	EPA 7471
7440-36-0	Antimony	ND	3.63	3.63	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-38-2	Arsenic	ND	0.908	0.908	1	U	12/05/16 08:56	EPA 3050B	12/07/16 12:01 LIT	EPA 6010
7440-39-3	Barium	52.5	18.2	18.2	1		12/05/16 08:56	EPA 3050B	12/07/16 12:01 LIT	EPA 6010
7440-41-7	Beryllium	0.526	0.454	0.454	1		12/05/16 08:56	EPA 3050B	12/07/16 12:01 LIT	EPA 6010
7440-43-9	Cadmium	0.695	0.454	0.454	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-70-2	Calcium	1150	22.7	22.7	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-47-3	Chromium	21.3	1.82	1.82	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-48-4	Cobalt	10.7	4.54	4.54	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-50-8	Copper	19.8	2.72	2.72	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7439-89-6	Iron	19800	567	567	25	D	12/05/16 08:56	EPA 3050B	12/06/16 14:11 LIT	EPA 6010
7439-92-1	Lead	17.3	0.908	0.908	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7439-95-4	Magnesium	4790	45.4	45.4	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7439-96-5	Manganese	360	1.82	1.82	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-02-0	Nickel	17.3	3.63	3.63	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-09-7	Potassium	1760	45.4	45.4	1		12/05/16 08:56	EPA 3050B	12/07/16 12:01 LIT	EPA 6010
7782-49-2	Selenium	ND	3.63	3.63	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-22-4	Silver	ND	0.454	0.454	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-23-5	Sodium	126	45.4	45.4	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-28-0	Thallium	ND	1.36	2.72	1	U	12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010
7440-62-2	Vanadium	33.8	4.54	4.54	1		12/05/16 08:56	EPA 3050B	12/07/16 12:01 LIT	EPA 6010
7440-66-6	Zinc	61.3	5.45	5.45	1		12/05/16 08:56	EPA 3050B	12/06/16 11:55 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
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B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Matrix:	Soil
Percent Solids:	81.90	File ID:	120616A-026

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	10300	23.2	23.2	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7439-97-6	Mercury	0.237	0.0916	0.0916	1		12/06/16 07:56	EPA 7471A	12/07/16 11:55 PRT	EPA 7471
7440-36-0	Antimony	ND	4.65	4.65	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-38-2	Arsenic	2.30	1.16	1.16	1		12/05/16 08:56	EPA 3050B	12/07/16 12:07 LIT	EPA 6010
7440-39-3	Barium	72.2	23.2	23.2	1		12/05/16 08:56	EPA 3050B	12/07/16 12:07 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.581	0.581	1	U	12/05/16 08:56	EPA 3050B	12/07/16 12:07 LIT	EPA 6010
7440-43-9	Cadmium	1.06	0.581	0.581	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-70-2	Calcium	6750	29.0	29.0	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-47-3	Chromium	19.8	2.32	2.32	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-48-4	Cobalt	9.73	5.81	5.81	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-50-8	Copper	44.3	3.49	3.49	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7439-89-6	Iron	23200	726	726	25	D	12/05/16 08:56	EPA 3050B	12/06/16 14:17 LIT	EPA 6010
7439-92-1	Lead	162	1.16	1.16	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7439-95-4	Magnesium	6280	58.1	58.1	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7439-96-5	Manganese	401	2.32	2.32	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-02-0	Nickel	17.4	4.65	4.65	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-09-7	Potassium	1530	58.1	58.1	1		12/05/16 08:56	EPA 3050B	12/07/16 12:07 LIT	EPA 6010
7782-49-2	Selenium	ND	2.32	4.65	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-22-4	Silver	ND	0.581	0.581	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-23-5	Sodium	239	58.1	58.1	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-28-0	Thallium	ND	1.74	3.49	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010
7440-62-2	Vanadium	29.0	5.81	5.81	1		12/05/16 08:56	EPA 3050B	12/07/16 12:07 LIT	EPA 6010
7440-66-6	Zinc	131	6.97	6.97	1		12/05/16 08:56	EPA 3050B	12/06/16 12:00 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
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J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
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MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Matrix:	Soil
Percent Solids:	87.10	File ID:	120616A-027

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	9890	18.5	18.5	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7439-97-6	Mercury	ND	0.0861	0.0861	1	U	12/06/16 07:56	EPA 7471A	12/07/16 11:57 PRT	EPA 7471
7440-36-0	Antimony	ND	3.71	3.71	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-38-2	Arsenic	1.56	0.927	0.927	1		12/05/16 08:56	EPA 3050B	12/07/16 12:12 LIT	EPA 6010
7440-39-3	Barium	55.1	18.5	18.5	1		12/05/16 08:56	EPA 3050B	12/07/16 12:12 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.463	0.463	1	U	12/05/16 08:56	EPA 3050B	12/07/16 12:12 LIT	EPA 6010
7440-43-9	Cadmium	0.913	0.463	0.463	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-70-2	Calcium	3270	23.2	23.2	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-47-3	Chromium	18.4	1.85	1.85	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-48-4	Cobalt	10.2	4.63	4.63	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-50-8	Copper	30.7	2.78	2.78	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7439-89-6	Iron	21400	579	579	25	D	12/05/16 08:56	EPA 3050B	12/06/16 14:22 LIT	EPA 6010
7439-92-1	Lead	63.6	0.927	0.927	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7439-95-4	Magnesium	5080	46.3	46.3	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7439-96-5	Manganese	412	1.85	1.85	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-02-0	Nickel	17.2	3.71	3.71	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-09-7	Potassium	1440	46.3	46.3	1		12/05/16 08:56	EPA 3050B	12/07/16 12:12 LIT	EPA 6010
7782-49-2	Selenium	ND	3.71	3.71	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-22-4	Silver	ND	0.463	0.463	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-23-5	Sodium	129	46.3	46.3	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-28-0	Thallium	ND	1.39	2.78	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010
7440-62-2	Vanadium	25.9	4.63	4.63	1		12/05/16 08:56	EPA 3050B	12/07/16 12:12 LIT	EPA 6010
7440-66-6	Zinc	100	5.56	5.56	1		12/05/16 08:56	EPA 3050B	12/06/16 12:05 LIT	EPA 6010

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
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B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:20	Matrix:	Soil
Percent Solids:	86.10	File ID:	120616A-028

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
7429-90-5	Aluminum	10600	20.5	20.5	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7439-97-6	Mercury	0.0883	0.0871	0.0871	1		12/06/16 07:56	EPA 7471A	12/07/16 11:59 PRT	EPA 7471
7440-36-0	Antimony	ND	4.10	4.10	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-38-2	Arsenic	1.73	1.03	1.03	1		12/05/16 08:56	EPA 3050B	12/07/16 12:17 LIT	EPA 6010
7440-39-3	Barium	42.9	20.5	20.5	1		12/05/16 08:56	EPA 3050B	12/07/16 12:17 LIT	EPA 6010
7440-41-7	Beryllium	ND	0.513	0.513	1	U	12/05/16 08:56	EPA 3050B	12/07/16 12:17 LIT	EPA 6010
7440-43-9	Cadmium	0.554	0.513	0.513	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-70-2	Calcium	1380	25.7	25.7	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-47-3	Chromium	17.5	2.05	2.05	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-48-4	Cobalt	11.1	5.13	5.13	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-50-8	Copper	18.3	3.08	3.08	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7439-89-6	Iron	18000	641	641	25	D	12/05/16 08:56	EPA 3050B	12/06/16 14:27 LIT	EPA 6010
7439-92-1	Lead	31.8	1.03	1.03	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7439-95-4	Magnesium	4270	51.3	51.3	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7439-96-5	Manganese	227	2.05	2.05	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-02-0	Nickel	16.4	4.10	4.10	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-09-7	Potassium	1110	51.3	51.3	1		12/05/16 08:56	EPA 3050B	12/07/16 12:17 LIT	EPA 6010
7782-49-2	Selenium	ND	2.05	4.10	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-22-4	Silver	ND	0.513	0.513	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-23-5	Sodium	138	51.3	51.3	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-28-0	Thallium	ND	1.54	3.08	1	U	12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010
7440-62-2	Vanadium	22.7	5.13	5.13	1		12/05/16 08:56	EPA 3050B	12/07/16 12:17 LIT	EPA 6010
7440-66-6	Zinc	55.6	6.16	6.16	1		12/05/16 08:56	EPA 3050B	12/06/16 12:10 LIT	EPA 6010

* Values outside of QC limits
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U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

WET CHEMISTRY

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-34
Lab Sample ID: 1602245-01
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled: 12/02/16 14:15 Matrix: Soil
Percent Solids: 79.40 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	21.0	1.44	1.44	1		12/05/16 14:34	[CALC]	12/07/16 15:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.52	2.52	1	U	12/05/16 14:34	SW 846 3060A	12/07/16 15:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.26	1.26	1	U	12/05/16 14:32	EPA 9010C	12/07/16 13:54 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	79.4	0.100	0.100	1		12/05/16 11:00	Percent Solids	12/07/16 10:03 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-35
Lab Sample ID: 1602245-02
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled: 12/02/16 14:24 Matrix: Soil
Percent Solids: 76.70 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	20.8	1.96	1.96	1		12/05/16 14:34	[CALC]	12/07/16 15:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.61	2.61	1	U	12/05/16 14:34	SW 846 3060A	12/07/16 15:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.30	1.30	1	U	12/05/16 14:32	EPA 9010C	12/07/16 13:54 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	76.7	0.100	0.100	1		12/05/16 11:00	Percent Solids	12/07/16 10:03 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-36
Lab Sample ID: 1602245-03
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled: 12/02/16 14:32 Matrix: Soil
Percent Solids: 79.40 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	21.1	1.63	1.63	1		12/05/16 14:34	[CALC]	12/07/16 15:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.52	2.52	1	U	12/05/16 14:34	SW 846 3060A	12/07/16 15:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.26	1.26	1	U	12/05/16 14:32	EPA 9010C	12/07/16 13:54 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	79.4	0.100	0.100	1		12/05/16 11:00	Percent Solids	12/07/16 10:03 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-37
Lab Sample ID: 1602245-04
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 14:40	Matrix:	Soil
Percent Solids:	80.00	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	21.5	1.81	1.81	1		12/05/16 14:34	[CALC]	12/07/16 15:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.50	2.50	1	U	12/05/16 14:34	SW 846 3060A	12/07/16 15:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.25	1.25	1	U	12/05/16 14:32	EPA 9010C	12/07/16 13:54 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	80.0	0.100	0.100	1		12/05/16 11:00	Percent Solids	12/07/16 10:03 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-38
Lab Sample ID: 1602245-05
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled: 12/02/16 14:55 Matrix: Soil
Percent Solids: 83.20 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	21.3	1.51	1.51	1		12/05/16 14:34	[CALC]	12/07/16 15:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.40	2.40	1	U	12/05/16 14:34	SW 846 3060A	12/07/16 15:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.20	1.20	1	U	12/05/16 14:32	EPA 9010C	12/07/16 13:54 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	83.2	0.100	0.100	1		12/05/16 11:00	Percent Solids	12/07/16 10:03 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-39
Lab Sample ID: 1602245-06
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:05	Matrix:	Soil
Percent Solids:	81.90	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	19.8	1.90	1.90	1		12/05/16 14:34	[CALC]	12/07/16 15:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.44	2.44	1	U	12/05/16 14:34	SW 846 3060A	12/07/16 15:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.22	1.22	1	U	12/05/16 14:32	EPA 9010C	12/07/16 13:54 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	81.9	0.100	0.100	1		12/05/16 11:00	Percent Solids	12/07/16 10:03 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: EP-40
Lab Sample ID: 1602245-07
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled:	12/02/16 15:10	Matrix:	Soil
Percent Solids:	87.10	File ID:	

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	18.4	1.61	1.61	1		12/05/16 14:34	[CALC]	12/07/16 15:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.30	2.30	1	U	12/05/16 14:34	SW 846 3060A	12/07/16 15:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.15	1.15	1	U	12/05/16 14:32	EPA 9010C	12/07/16 13:54 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	87.1	0.100	0.100	1		12/05/16 11:00	Percent Solids	12/07/16 10:03 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Inorganics

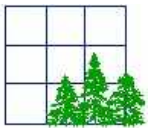
Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: DUP-2
Lab Sample ID: 1602245-08
Project: 255 East 138th Street
Work Order: 1602245

Date Sampled: 12/02/16 15:20 Matrix: Soil
Percent Solids: 86.10 File ID:

CAS NO.	Analyte	Concentration (mg/kg dry)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
16065-83-1	Trivalent Chromium	17.5	1.77	1.77	1		12/05/16 14:34	[CALC]	12/07/16 15:08 NNM	[CALC]
1854-02-99	Chromium, Hexava	ND	2.32	2.32	1	U	12/05/16 14:34	SW 846 3060A	12/07/16 15:08 NNM	EPA 7196A
NA	Cyanide (total)	ND	1.16	1.16	1	U	12/05/16 14:32	EPA 9010C	12/07/16 13:54 NNM	EPA 9014

CAS NO.	Analyte	Concentration (%)	MDL	RL	DF	Q	Prepared	Prep Method	Analyzed By	Method
NA	Percent Solids	86.1	0.100	0.100	1		12/05/16 11:00	Percent Solids	12/07/16 10:03 KMC	SM 2540 G

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit



APPENDIX V

Accredited Analytical Resources, LLC.

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street

AAR Work Order: 1501458

Client Sample ID:	Lab Sample ID:
TMW-1	1501458-01
TMW-1	1501458-01RE1

This data has been reviewed and accepted by:

Daniel Miguel 09/23/2015
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

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The test results included in this report relate only to the samples analyzed.

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Case Narrative

Conformance / Non-Conformance Summary

Accredited Analytical Resources, LLC received 1 sample(s) from BRINKERHOFF ENVIRONMENTAL (Project: 255 East 138th Street) on 8/20/2015 1:15:00 PM.

All analyses were performed within the required holding time.

In the Volatile Organic analyses, the MDL level was elevated due to matrix interference. The methylene chloride result reported is due to laboratory contamination.

Except for the parameters tested AAR makes no representation as to the fitness or quality of the sample (s) taken.

"The laboratory has reviewed the quality assurance and quality control measurements for the sample analyses.

Daniel Miguel
Technical Director

Methodology Summary

Semivolatile Organic Compounds EPA Method SW846 8270:
NJ 8270C
NY 8270D

Volatile Organic Compounds EPA Method SW846 8260:
NJ 8260B
NY 8260C

Accredited Analytical Resources, LLC.

Internal Chain of Custody

	Out	*In*
1501458-01 (A)		
Start	8/20/15 13:42 by KMC	8/20/15 13:42 by KMC
Extractions	8/25/15 6:11 by ECS	by ECS
1501458-01 (B)		
Start	8/20/15 13:42 by KMC	8/20/15 13:42 by KMC
Walk-In Storage	8/21/15 11:18 by SG	8/24/15 14:07 by SG
VOA Storage	8/24/15 14:07 by DSM	8/24/15 18:08 by DSM
1501458-01 (C)		
Start	8/20/15 13:42 by KMC	8/20/15 13:42 by KMC
1501458-01RE1 (A)		
Extractions	8/27/15 13:50 by JMM	8/27/15 13:53 by JMM
Extractions	8/27/15 13:53 by JMM	by JMM
1501458-01RE1 (B)		
Walk-In Storage	8/25/15 16:32 by DSM	8/27/15 13:46 by DSM
VOA Storage	8/27/15 13:46 by DSM	by DSM

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street**
Work Order: **1501458**

Received: 8/20/15 13:15

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street
CONTACT:	Doug Harm
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Doug Harm
EMAIL FOR INVOICE:	dharm@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Avenue
CITY:	Manasquan
STATE:	New Jersey
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	15J1458
P.O. #	10BR188

ANALYSIS

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TCL VOCs	TCL SVOCs	AAR SAMPLE #
TMW-1	8/20/15 09:55	GW	-	3		X	X	-01

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) (STANDARD) 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL X EDD ____ EXCEL SPREADSHEET ____

COMMENTS: Need NYSDEC CATEGORY B Data Package, Also, please compare results to NYSDEC TOGS Ambient Groundwater Quality Standards COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Sean Harrison SIGN: [signature]

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Sean Harrison	Print Name: M. Urbizondo	Print Name:	Print Name:
Signature: [signature]	Signature: [signature]	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AARLLC	Agent of:	Agent of:
Date Received: 8 / 20 / 15	Time: 1:15 PM	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TMW-1	1501458-01	Ground Water	08/20/2015 09:55	08/20/2015 13:15

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

SEMIVOLATILES

Accredited Analytical Resources, LLC.

SEMIVOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/25/15 06:03	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 3510C GCMS	File ID:	F11527.D
Prep Batch:	B5H2503	Sequence:	S5H2607	Analyzed:	08/26/15 18:20
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	0.515	2.58	U
108-95-2	Phenol	ND	0.515	2.58	U
111-44-4	bis(2-chloroethyl)ether	ND	0.515	2.58	U
95-57-8	2-Chlorophenol	ND	0.515	2.58	U
541-73-1	1,3-Dichlorobenzene	ND	0.515	2.58	U
106-46-7	1,4-Dichlorobenzene	ND	0.515	2.58	U
100-51-6	Benzyl alcohol	ND	0.515	2.58	U
95-50-1	1,2-Dichlorobenzene	ND	0.515	2.58	U
95-48-7	2-Methylphenol	ND	0.515	2.58	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	0.515	2.58	U
106-44-5	3 & 4-Methylphenol	ND	0.515	2.58	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.515	2.58	U
67-72-1	Hexachloroethane	ND	0.515	2.58	U
98-95-3	Nitrobenzene	ND	0.515	2.58	U
78-59-1	Isophorone	ND	0.515	2.58	U
88-75-5	2-Nitrophenol	ND	0.515	2.58	U
105-67-9	2,4-Dimethylphenol	ND	0.515	2.58	U
65-85-0	Benzoic acid	ND	2.06	5.15	U
111-91-1	bis(2-chloroethoxy)methane	ND	0.515	2.58	U
120-83-2	2,4-Dichlorophenol	ND	0.515	2.58	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.515	2.58	U
91-20-3	Naphthalene	99.8	0.515	2.58	E
106-47-8	4-Chloroaniline	ND	0.515	2.58	U
87-68-3	Hexachlorobutadiene	ND	0.515	2.58	U
59-50-7	4-Chloro-3-methylphenol	ND	0.515	2.58	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/25/15 06:03	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 3510C GCMS	File ID:	F11527.D
Prep Batch:	B5H2503	Sequence:	S5H2607	Analyzed:	08/26/15 18:20
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	54.9	0.515	2.58	
77-47-4	Hexachlorocyclopentadiene	ND	0.515	2.58	U
88-06-2	2,4,6-Trichlorophenol	ND	0.515	2.58	U
95-95-4	2,4,5-Trichlorophenol	ND	0.515	2.58	U
91-58-7	2-Chloronaphthalene	ND	0.515	2.58	U
88-74-4	2-Nitroaniline	ND	0.515	2.58	U
131-11-3	Dimethylphthalate	ND	0.515	2.58	U
208-96-8	Acenaphthylene	ND	0.515	2.58	U
99-09-2	3-Nitroaniline	ND	0.515	2.58	U
83-32-9	Acenaphthene	ND	0.515	2.58	U
51-28-5	2,4-Dinitrophenol	ND	1.03	5.15	U
100-02-7	4-Nitrophenol	ND	0.515	2.58	U
132-64-9	Dibenzofuran	ND	0.515	2.58	U
606-20-2	2,6-Dinitrotoluene	ND	0.515	2.58	U
121-14-2	2,4-Dinitrotoluene	ND	0.515	2.58	U
84-66-2	Diethyl phthalate	ND	0.515	2.58	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.515	2.58	U
86-73-7	Fluorene	ND	0.515	2.58	U
100-01-6	4-Nitroaniline	ND	0.515	2.58	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	0.515	2.58	U
86-30-6	N-Nitrosodiphenylamine	ND	0.515	2.58	U
101-55-3	4-Bromophenyl-phenylether	ND	0.515	2.58	U
118-74-1	Hexachlorobenzene	ND	0.515	2.58	U
87-86-5	Pentachlorophenol	ND	0.515	2.58	U
85-01-8	Phenanthrene	0.572	0.103	2.58	J

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/25/15 06:03	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 3510C GCMS	File ID:	F11527.D
Prep Batch:	B5H2503	Sequence:	S5H2607	Analyzed:	08/26/15 18:20
Dilution:	1			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
120-12-7	Anthracene	ND	0.515	2.58	U
84-74-2	Di-n-butyl phthalate	ND	0.515	2.58	U
206-44-0	Fluoranthene	ND	0.515	2.58	U
129-00-0	Pyrene	ND	0.515	2.58	U
85-68-7	Butylbenzylphthalate	ND	0.515	2.58	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.515	2.58	U
56-55-3	Benzo[a]anthracene	ND	0.103	2.58	U
117-81-7	bis(2-ethylhexyl)phthalate	0.629	0.515	2.58	B, J
218-01-9	Chrysene	ND	0.103	2.58	U
117-84-0	Di-n-octyl phthalate	ND	0.515	2.58	U
205-99-2	Benzo[b]fluoranthene	ND	0.206	2.58	U
207-08-9	Benzo[k]fluoranthene	ND	0.515	2.58	U
50-32-8	Benzo[a]pyrene	ND	0.103	2.58	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.515	2.58	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.206	2.58	U
191-24-2	Benzo[ghi]perylene	ND	0.103	2.58	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	34%	15-110
Phenol-d5	25%	15-110
Nitrobenzene-d5	48%	30-130
2-Fluorobiphenyl	55%	30-130
2,4,6-Tribromophenol	84%	15-110
Terphenyl-d14	67%	30-130

Accredited Analytical Resources, LLC.

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : C:\F\DATA15\AUG15\F0826\F11527.D Vial: 7
Acq On : 26 Aug 2015 18:20 Operator: JMM
Sample : 1501458-01 Inst : GC/MS F
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 27 9:09 2015 Quant Results File: SVF80528.RES

Quant Method : C:\F\METHODS\SVF80528.M (RTE Integrator)
Title : SEMI-VOA TCL 8270C CALIBRATION HP5971AF
Last Update : Tue Jul 28 14:11:16 2015
Response via : Initial Calibration
DataAcq Meth : SVF80528

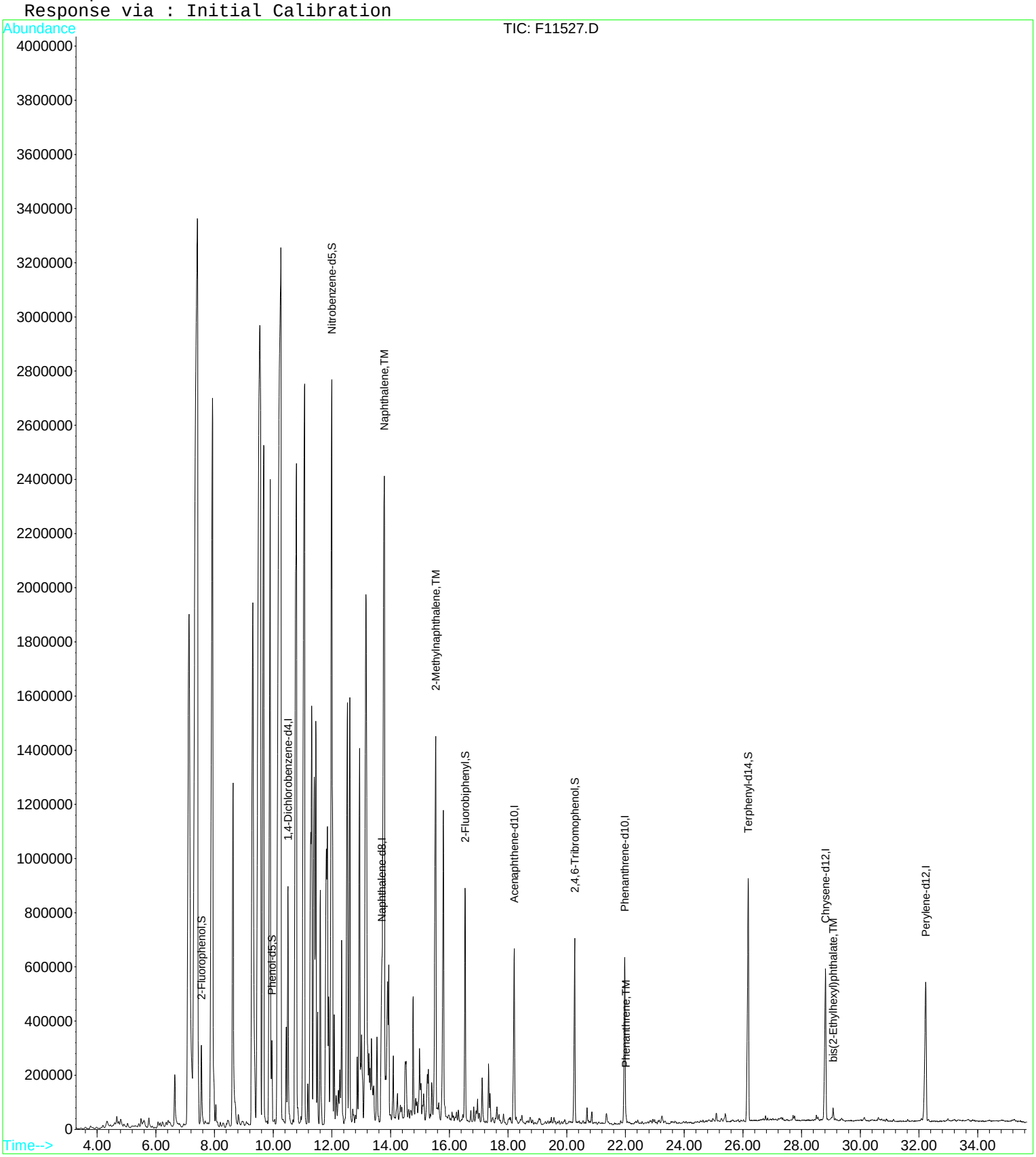
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.50	152	159737	40.00	ul/l	-0.11
21) Naphthalene-d8	13.69	136	684994	40.00	ul/l	-0.14
37) Acenaphthene-d10	18.21	164	332294	40.00	ul/l	-0.18
61) Phenanthrene-d10	21.98	188	620913	40.00	ul/l	-0.20
75) Chrysene-d12	28.82	240	590649	40.00	ul/l	-0.22
84) Perylene-d12	32.23	264	586418	40.00	ul/l	-0.22
System Monitoring Compounds						
4) 2-Fluorophenol	7.56	112	233253	40.59	ul/l	-0.08
Spiked Amount 120.000	Range 21 - 100		Recovery = 33.83%			
7) Phenol-d5	9.95	99	244357	29.98	ul/l	-0.04
Spiked Amount 120.000	Range 10 - 94		Recovery = 24.98%			
22) Nitrobenzene-d5	12.00	82	314281m	47.64	ul/l	-0.09
Spiked Amount 100.000	Range 35 - 114		Recovery = 47.64%			
42) 2-Fluorobiphenyl	16.54	172	666946	54.63	ul/l	-0.18
Spiked Amount 100.000	Range 43 - 116		Recovery = 54.63%			
60) 2,4,6-Tribromophenol	20.27	330	211414	100.69	ul/l	-0.18
Spiked Amount 120.000	Range 10 - 123		Recovery = 83.91%			
78) Terphenyl-d14	26.18	244	808237	67.09	ul/l	-0.17
Spiked Amount 100.000	Range 33 - 141		Recovery = 67.09%			
Target Compounds						Qvalue
31) Naphthalene	13.78	128	3448760	193.52	ul/l	98
36) 2-Methylnaphthalene	15.54	142	1210992	106.53	ul/l	98
71) Phenanthrene	22.02	178	19939	1.11	ul/l	97
82) bis(2-Ethylhexyl)phthalate	29.07	149	21866	1.22	ul/l	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\F\DATA15\AUG15\F0826\F11527.D Vial: 7
Acq On : 26 Aug 2015 18:20 Operator: JMM
Sample : 1501458-01 Inst : GC/MS F
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 27 9:09 2015 Quant Results File: SVF80528.RES

Method : C:\F\METHODS\SVF80528.M (RTE Integrator)
Title : SEMI-VOA TCL 8270C CALIBRATION HP5971AF
Last Update : Tue Jul 28 14:11:16 2015
Response via : Initial Calibration



Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01RE1
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/25/15 06:03	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 3510C GCMS	File ID:	F11542.D
Prep Batch:	B5H2503	Sequence:	S5H2708	Analyzed:	08/27/15 16:13
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	2.58	12.9	U
108-95-2	Phenol	ND	2.58	12.9	U
111-44-4	bis(2-chloroethyl)ether	ND	2.58	12.9	U
95-57-8	2-Chlorophenol	ND	2.58	12.9	U
541-73-1	1,3-Dichlorobenzene	ND	2.58	12.9	U
106-46-7	1,4-Dichlorobenzene	ND	2.58	12.9	U
100-51-6	Benzyl alcohol	ND	2.58	12.9	U
95-50-1	1,2-Dichlorobenzene	ND	2.58	12.9	U
95-48-7	2-Methylphenol	ND	2.58	12.9	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	2.58	12.9	U
106-44-5	3 & 4-Methylphenol	ND	2.58	12.9	U
621-64-7	N-Nitroso-di-n-propylamine	ND	2.58	12.9	U
67-72-1	Hexachloroethane	ND	2.58	12.9	U
98-95-3	Nitrobenzene	ND	2.58	12.9	U
78-59-1	Isophorone	ND	2.58	12.9	U
88-75-5	2-Nitrophenol	ND	2.58	12.9	U
105-67-9	2,4-Dimethylphenol	ND	2.58	12.9	U
65-85-0	Benzoic acid	ND	10.3	25.8	U
111-91-1	bis(2-chloroethoxy)methane	ND	2.58	12.9	U
120-83-2	2,4-Dichlorophenol	ND	2.58	12.9	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.58	12.9	U
91-20-3	Naphthalene	117	2.58	12.9	D
106-47-8	4-Chloroaniline	ND	2.58	12.9	U
87-68-3	Hexachlorobutadiene	ND	2.58	12.9	U
59-50-7	4-Chloro-3-methylphenol	ND	2.58	12.9	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01RE1
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/25/15 06:03	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 3510C GCMS	File ID:	F11542.D
Prep Batch:	B5H2503	Sequence:	S5H2708	Analyzed:	08/27/15 16:13
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
91-57-6	2-Methylnaphthylene	62.0	2.58	12.9	D
77-47-4	Hexachlorocyclopentadiene	ND	2.58	12.9	U
88-06-2	2,4,6-Trichlorophenol	ND	2.58	12.9	U
95-95-4	2,4,5-Trichlorophenol	ND	2.58	12.9	U
91-58-7	2-Chloronaphthalene	ND	2.58	12.9	U
88-74-4	2-Nitroaniline	ND	2.58	12.9	U
131-11-3	Dimethylphthalate	ND	2.58	12.9	U
208-96-8	Acenaphthylene	ND	2.58	12.9	U
99-09-2	3-Nitroaniline	ND	2.58	12.9	U
83-32-9	Acenaphthene	ND	2.58	12.9	U
51-28-5	2,4-Dinitrophenol	ND	5.15	25.8	U
100-02-7	4-Nitrophenol	ND	2.58	12.9	U
132-64-9	Dibenzofuran	ND	2.58	12.9	U
606-20-2	2,6-Dinitrotoluene	ND	2.58	12.9	U
121-14-2	2,4-Dinitrotoluene	ND	2.58	12.9	U
84-66-2	Diethyl phthalate	ND	2.58	12.9	U
7005-72-3	4-Chlorophenyl-phenylether	ND	2.58	12.9	U
86-73-7	Fluorene	ND	2.58	12.9	U
100-01-6	4-Nitroaniline	ND	2.58	12.9	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	2.58	12.9	U
86-30-6	N-Nitrosodiphenylamine	ND	2.58	12.9	U
101-55-3	4-Bromophenyl-phenylether	ND	2.58	12.9	U
118-74-1	Hexachlorobenzene	ND	2.58	12.9	U
87-86-5	Pentachlorophenol	ND	2.58	12.9	U
85-01-8	Phenanthrene	ND	0.515	12.9	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01RE1
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/25/15 06:03	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 3510C GCMS	File ID:	F11542.D
Prep Batch:	B5H2503	Sequence:	S5H2708	Analyzed:	08/27/15 16:13
Dilution:	5			Analyst:	JMM

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
120-12-7	Anthracene	ND	2.58	12.9	U
84-74-2	Di-n-butyl phthalate	ND	2.58	12.9	U
206-44-0	Fluoranthene	ND	2.58	12.9	U
129-00-0	Pyrene	ND	2.58	12.9	U
85-68-7	Butylbenzylphthalate	ND	2.58	12.9	U
91-94-1	3,3'-Dichlorobenzidine	ND	2.58	12.9	U
56-55-3	Benzo[a]anthracene	ND	0.515	12.9	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	2.58	12.9	U
218-01-9	Chrysene	ND	0.515	12.9	U
117-84-0	Di-n-octyl phthalate	ND	2.58	12.9	U
205-99-2	Benzo[b]fluoranthene	ND	1.03	12.9	U
207-08-9	Benzo[k]fluoranthene	ND	2.58	12.9	U
50-32-8	Benzo[a]pyrene	ND	0.515	12.9	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.58	12.9	U
53-70-3	Dibenzo(a,h)anthracene	ND	1.03	12.9	U
191-24-2	Benzo[ghi]perylene	ND	0.515	12.9	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	29%	15-110
Phenol-d5	24%	15-110
Nitrobenzene-d5	54%	30-130
2-Fluorobiphenyl	56%	30-130
2,4,6-Tribromophenol	69%	15-110
Terphenyl-d14	71%	30-130

Accredited Analytical Resources, LLC.

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : C:\F\DATA15\AUG15\F0827\F11542.D Vial: 5
Acq On : 27 Aug 2015 16:13 Operator: JMM
Sample : 1501458-01RE1@5 Inst : GC/MS F
Misc : WATER Multiplr: 5.00
MS Integration Params: rteint.p
Quant Time: Aug 27 16:53 2015 Quant Results File: SVF80528.RES

Quant Method : C:\F\METHODS\SVF80528.M (RTE Integrator)
Title : SEMI-VOA TCL 8270C CALIBRATION HP5971AF
Last Update : Tue Jul 28 14:11:16 2015
Response via : Initial Calibration
DataAcq Meth : SVF80528

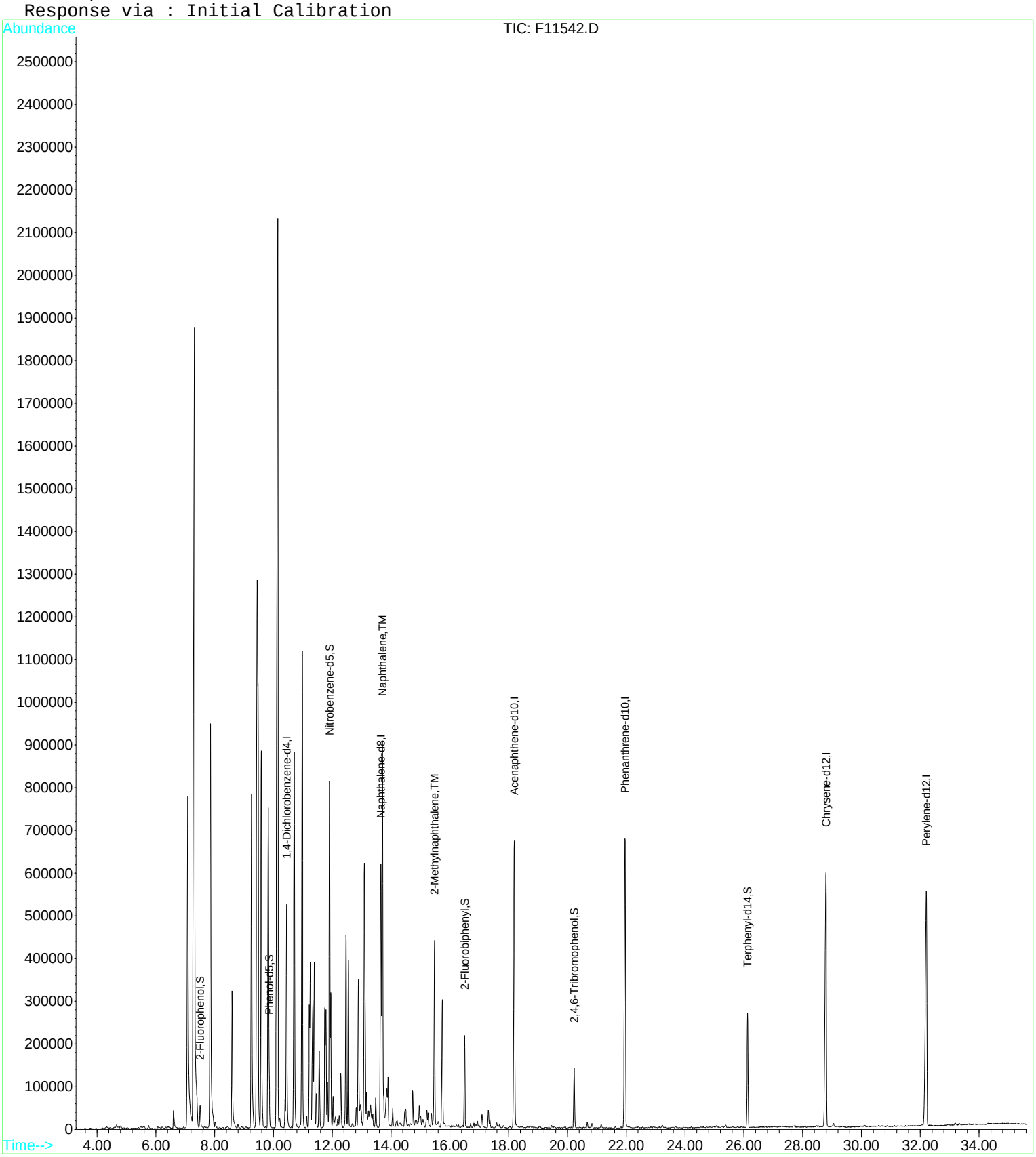
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.45	152	157863	40.00	ul/l	-0.16
21) Naphthalene-d8	13.65	136	693911	40.00	ul/l	-0.18
37) Acenaphthene-d10	18.19	164	340890	40.00	ul/l	-0.20
61) Phenanthrene-d10	21.95	188	681741	40.00	ul/l	-0.22
75) Chrysene-d12	28.79	240	637906	40.00	ul/l	-0.24
84) Perylene-d12	32.20	264	647317	40.00	ul/l	-0.24
System Monitoring Compounds						
4) 2-Fluorophenol	7.51	112	39337	6.93	ul/l	-0.13
Spiked Amount 120.000	Range 21 - 100		Recovery = 5.77%#			
7) Phenol-d5	9.86	99	46130	5.73	ul/l	-0.14
Spiked Amount 120.000	Range 10 - 94		Recovery = 4.78%#			
22) Nitrobenzene-d5	11.90	82	72560	10.86	ul/l	-0.19
Spiked Amount 100.000	Range 35 - 114		Recovery = 10.86%#			
42) 2-Fluorobiphenyl	16.50	172	141096	11.27	ul/l	-0.21
Spiked Amount 100.000	Range 43 - 116		Recovery = 11.27%#			
60) 2,4,6-Tribromophenol	20.23	330	35688	16.57	ul/l	-0.23
Spiked Amount 120.000	Range 10 - 123		Recovery = 13.81%			
78) Terphenyl-d14	26.13	244	185434	14.25	ul/l	-0.23
Spiked Amount 100.000	Range 33 - 141		Recovery = 14.25%#			
Target Compounds						Qvalue
31) Naphthalene	13.71	128	816352	45.22	ul/l	99
36) 2-Methylnaphthalene	15.48	142	277016	24.06	ul/l	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\F\DATA15\AUG15\F0827\F11542.D Vial: 5
Acq On : 27 Aug 2015 16:13 Operator: JMM
Sample : 1501458-01RE1@5 Inst : GC/MS F
Misc : WATER Multiplr: 5.00
MS Integration Params: rteint.p
Quant Time: Aug 27 16:53 2015 Quant Results File: SVF80528.RES

Method : C:\F\METHODS\SVF80528.M (RTE Integrator)
Title : SEMI-VOA TCL 8270C CALIBRATION HP5971AF
Last Update : Tue Jul 28 14:11:16 2015
Response via : Initial Calibration



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SEMIVOLATILES QC DATA

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ANALYSIS DATA SHEET

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Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Matrix:	Aqueous	Laboratory ID:	B5H2503-BLK1	File ID:	F11528.D
Batch:	B5H2503	Prepared:	08/25/15 06:03	Analyzed:	08/26/15 19:06
Column:	1	Preparation:	EPA 3510C GCMS	Dilution:	
		Sequence:	S5H2607	Instrument:	GC/MS F

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
62-75-9	N-Nitrosodimethylamine	ND	0.500	2.50	U
108-95-2	Phenol	ND	0.500	2.50	U
111-44-4	bis(2-chloroethyl)ether	ND	0.500	2.50	U
95-57-8	2-Chlorophenol	ND	0.500	2.50	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	2.50	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	2.50	U
100-51-6	Benzyl alcohol	ND	0.500	2.50	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	2.50	U
95-48-7	2-Methylphenol	ND	0.500	2.50	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	0.500	2.50	U
106-44-5	3 & 4-Methylphenol	ND	0.500	2.50	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.500	2.50	U
67-72-1	Hexachloroethane	ND	0.500	2.50	U
98-95-3	Nitrobenzene	ND	0.500	2.50	U
78-59-1	Isophorone	ND	0.500	2.50	U
88-75-5	2-Nitrophenol	ND	0.500	2.50	U
105-67-9	2,4-Dimethylphenol	ND	0.500	2.50	U
65-85-0	Benzoic acid	ND	2.00	5.00	U
111-91-1	bis(2-chloroethoxy)methane	ND	0.500	2.50	U
120-83-2	2,4-Dichlorophenol	ND	0.500	2.50	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	2.50	U
91-20-3	Naphthalene	ND	0.500	2.50	U
106-47-8	4-Chloroaniline	ND	0.500	2.50	U
87-68-3	Hexachlorobutadiene	ND	0.500	2.50	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Matrix:	Aqueous	Laboratory ID:	B5H2503-BLK1	File ID:	F11528.D
Batch:	B5H2503	Prepared:	08/25/15 06:03	Analyzed:	08/26/15 19:06
Column:	1	Preparation:	EPA 3510C GCMS	Dilution:	
		Sequence:	S5H2607	Instrument:	GC/MS F

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
59-50-7	4-Chloro-3-methylphenol	ND	0.500	2.50	U
91-57-6	2-Methylnaphthylene	ND	0.500	2.50	U
77-47-4	Hexachlorocyclopentadiene	ND	0.500	2.50	U
88-06-2	2,4,6-Trichlorophenol	ND	0.500	2.50	U
95-95-4	2,4,5-Trichlorophenol	ND	0.500	2.50	U
91-58-7	2-Chloronaphthalene	ND	0.500	2.50	U
88-74-4	2-Nitroaniline	ND	0.500	2.50	U
131-11-3	Dimethylphthalate	ND	0.500	2.50	U
208-96-8	Acenaphthylene	ND	0.500	2.50	U
99-09-2	3-Nitroaniline	ND	0.500	2.50	U
83-32-9	Acenaphthene	ND	0.500	2.50	U
51-28-5	2,4-Dinitrophenol	ND	1.00	5.00	U
100-02-7	4-Nitrophenol	ND	0.500	2.50	U
132-64-9	Dibenzofuran	ND	0.500	2.50	U
606-20-2	2,6-Dinitrotoluene	ND	0.500	2.50	U
121-14-2	2,4-Dinitrotoluene	ND	0.500	2.50	U
84-66-2	Diethyl phthalate	ND	0.500	2.50	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.500	2.50	U
86-73-7	Fluorene	ND	0.500	2.50	U
100-01-6	4-Nitroaniline	ND	0.500	2.50	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	0.500	2.50	U
86-30-6	N-Nitrosodiphenylamine	ND	0.500	2.50	U
101-55-3	4-Bromophenyl-phenylether	ND	0.500	2.50	U
118-74-1	Hexachlorobenzene	ND	0.500	2.50	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Matrix:	Aqueous	Laboratory ID:	B5H2503-BLK1	File ID:	F11528.D
Batch:	B5H2503	Prepared:	08/25/15 06:03	Analyzed:	08/26/15 19:06
Column:	1	Preparation:	EPA 3510C GCMS	Dilution:	
		Sequence:	S5H2607	Instrument:	GC/MS F

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
87-86-5	Pentachlorophenol	ND	0.500	2.50	U
85-01-8	Phenanthrene	ND	0.100	2.50	U
120-12-7	Anthracene	ND	0.500	2.50	U
84-74-2	Di-n-butyl phthalate	ND	0.500	2.50	U
206-44-0	Fluoranthene	ND	0.500	2.50	U
129-00-0	Pyrene	ND	0.500	2.50	U
85-68-7	Butylbenzylphthalate	ND	0.500	2.50	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.500	2.50	U
56-55-3	Benzo[a]anthracene	ND	0.100	2.50	U
117-81-7	bis(2-ethylhexyl)phthalate	2.22	0.500	2.50	J
218-01-9	Chrysene	ND	0.100	2.50	U
117-84-0	Di-n-octyl phthalate	ND	0.500	2.50	U
205-99-2	Benzo[b]fluoranthene	ND	0.200	2.50	U
207-08-9	Benzo[k]fluoranthene	ND	0.500	2.50	U
50-32-8	Benzo[a]pyrene	ND	0.100	2.50	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.500	2.50	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.200	2.50	U
191-24-2	Benzo[ghi]perylene	ND	0.100	2.50	U

Surrogate	% Recovery	Recovery Limits
2-Fluorophenol	45%	15-110
Phenol-d5	48%	15-110
Nitrobenzene-d5	54%	30-130
2-Fluorobiphenyl	47%	30-130
2,4,6-Tribromophenol	69%	15-110
Terphenyl-d14	71%	30-130

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* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : C:\F\DATA15\AUG15\F0826\F11528.D Vial: 8
Acq On : 26 Aug 2015 19:06 Operator: JMM
Sample : B5H2503-BLK1 Inst : GC/MS F
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 27 9:10 2015 Quant Results File: SVF80528.RES

Quant Method : C:\F\METHODS\SVF80528.M (RTE Integrator)
Title : SEMI-VOA TCL 8270C CALIBRATION HP5971AF
Last Update : Tue Jul 28 14:11:16 2015
Response via : Initial Calibration
DataAcq Meth : SVF80528

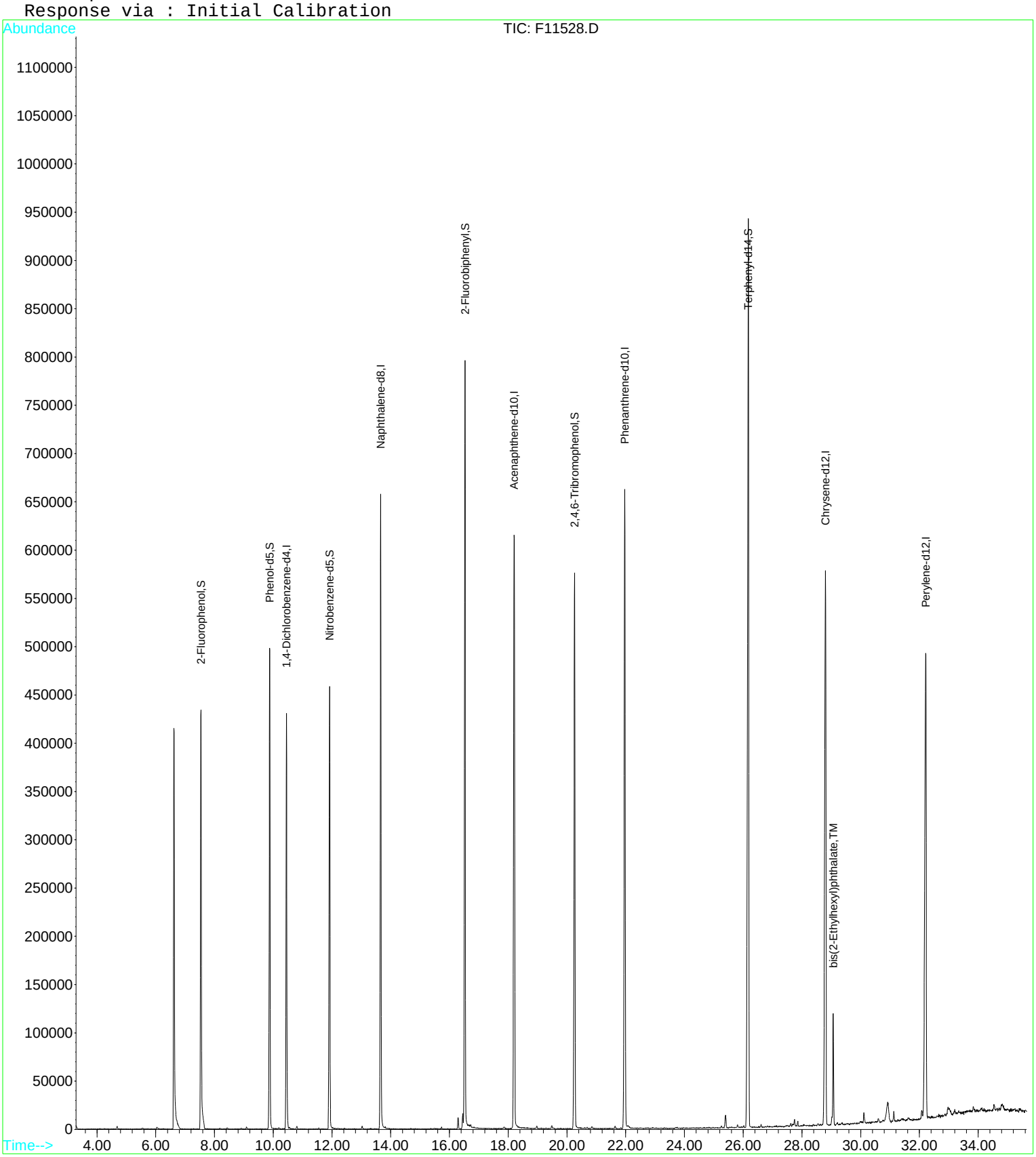
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.45	152	146144	40.00	ul/l	-0.16
21) Naphthalene-d8	13.66	136	652663	40.00	ul/l	-0.17
37) Acenaphthene-d10	18.20	164	323072	40.00	ul/l	-0.19
61) Phenanthrene-d10	21.97	188	619348	40.00	ul/l	-0.21
75) Chrysene-d12	28.80	240	583005	40.00	ul/l	-0.23
84) Perylene-d12	32.21	264	528703	40.00	ul/l	-0.23
System Monitoring Compounds						
4) 2-Fluorophenol	7.54	112	286475	54.49	ul/l	-0.09
Spiked Amount 120.000	Range 21 - 100		Recovery = 45.41%			
7) Phenol-d5	9.88	99	428650	57.48	ul/l	-0.11
Spiked Amount 120.000	Range 10 - 94		Recovery = 47.90%			
22) Nitrobenzene-d5	11.92	82	341106	54.27	ul/l	-0.17
Spiked Amount 100.000	Range 35 - 114		Recovery = 54.27%			
42) 2-Fluorobiphenyl	16.53	172	562575	47.39	ul/l	-0.19
Spiked Amount 100.000	Range 43 - 116		Recovery = 47.39%			
60) 2,4,6-Tribromophenol	20.26	330	170224	83.39	ul/l	-0.19
Spiked Amount 120.000	Range 10 - 123		Recovery = 69.49%			
78) Terphenyl-d14	26.17	244	847389	71.27	ul/l	-0.18
Spiked Amount 100.000	Range 33 - 141		Recovery = 71.27%			
Target Compounds						Qvalue
82) bis(2-Ethylhexyl)phthalate	29.07	149	78468	4.43	ul/l	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\F\DATA15\AUG15\F0826\F11528.D Vial: 8
Acq On : 26 Aug 2015 19:06 Operator: JMM
Sample : B5H2503-BLK1 Inst : GC/MS F
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 27 9:10 2015 Quant Results File: SVF80528.RES

Method : C:\F\METHODS\SVF80528.M (RTE Integrator)
Title : SEMI-VOA TCL 8270C CALIBRATION HP5971AF
Last Update : Tue Jul 28 14:11:16 2015
Response via : Initial Calibration



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SEMIVOLATILES QC SUMMARY

Accredited Analytical Resources, LLC.

SYSTEM MONITORING COMPOUND SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix: Aqueous
Instrument: GC/MS F

Lab Sample ID:	2FP (15% - 110%)	FBP (30% - 130%)	NBZ (30% - 130%)	PHL (15% - 110%)	TBP (15% - 110%)	TPH (30% - 130%)
1501458-01	34	55	48	25	84	67
1501458-01RE1	29	56	54	24	69	71
B5H2503-BLK1	45	47	54	48	69	71
B5H2503-BS1	61	63	71	61	83	77
B5H2503-BSD1	61	63	73	62	89	83

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Prep Method:	EPA 3510C GCMS
Prep Batch:	B5H2503	Lab Sample ID:	B5H2503-BS1

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Pyridine	25.0	19.2	77	20 - 160
N-Nitrosodimethylamine	25.0	20.9	84	20 - 160
Aniline	25.0	19.1	76	20 - 160
Phenol	25.0	25.4	101	20 - 160
bis(2-chloroethyl)ether	25.0	24.4	98	70 - 130
2-Chlorophenol	25.0	25.2	101	70 - 130
1,3-Dichlorobenzene	25.0	22.6	91	70 - 130
1,4-Dichlorobenzene	25.0	23.1	92	70 - 130
Benzyl alcohol	25.0	27.0	108	20 - 160
1,2-Dichlorobenzene	25.0	23.0	92	70 - 130
2-Methylphenol	25.0	25.2	101	70 - 130
bis(2-chloroisopropyl)ether	25.0	25.0	100	70 - 130
3 & 4-Methylphenol	25.0	26.6	107	20 - 160
N-Nitroso-di-n-propylamine	25.0	25.9	103	70 - 130
Hexachloroethane	25.0	22.9	92	20 - 160
Nitrobenzene	25.0	24.6	98	70 - 130
Isophorone	25.0	23.2	93	70 - 130
2-Nitrophenol	25.0	23.5	94	70 - 130
2,4-Dimethylphenol	25.0	22.8	91	70 - 130
bis(2-chloroethoxy)methane	25.0	23.0	92	70 - 130
2,4-Dichlorophenol	25.0	23.6	95	70 - 130
1,2,4-Trichlorobenzene	25.0	21.6	86	70 - 130
Naphthalene	25.0	23.2	93	70 - 130
4-Chloroaniline	25.0	10.8	43	20 - 160
Hexachlorobutadiene	25.0	21.7	87	70 - 130
4-Chloro-3-methylphenol	25.0	26.0	104	70 - 130
2-Methylnaphthylene	25.0	22.9	92	70 - 130
Hexachlorocyclopentadiene	25.0	14.5	58	20 - 160

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Prep Method:	EPA 3510C GCMS
Prep Batch:	B5H2503	Lab Sample ID:	B5H2503-BS1

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2,4,6-Trichlorophenol	25.0	22.7	91	70 - 130
2,4,5-Trichlorophenol	25.0	22.3	89	70 - 130
2-Chloronaphthalene	25.0	23.9	96	70 - 130
2-Nitroaniline	25.0	27.5	110	70 - 130
Dimethylphthalate	25.0	23.8	95	70 - 130
Acenaphthylene	25.0	22.8	91	70 - 130
3-Nitroaniline	25.0	18.6	74	70 - 130
Acenaphthene	25.0	23.2	93	70 - 130
2,4-Dinitrophenol	25.0	20.5	82	20 - 160
4-Nitrophenol	25.0	24.1	96	20 - 160
Dibenzofuran	25.0	23.2	93	70 - 130
2,6-Dinitrotoluene	25.0	24.4	98	70 - 130
2,4-Dinitrotoluene	25.0	25.6	103	70 - 130
Diethyl phthalate	25.0	25.0	100	70 - 130
4-Chlorophenyl-phenylether	25.0	23.0	92	70 - 130
Fluorene	25.0	23.3	93	70 - 130
4-Nitroaniline	25.0	24.4	98	70 - 130
4,6-Dinitro-2-methylphenol	25.0	24.4	97	70 - 130
Carbazole	25.0	24.0	96	70 - 130
N-Nitrosodiphenylamine	25.0	22.6	91	70 - 130
Azobenzene	25.0	24.7	99	70 - 130
4-Bromophenyl-phenylether	25.0	22.1	89	70 - 130
Hexachlorobenzene	25.0	21.6	86	70 - 130
Pentachlorophenol	25.0	20.0	80	20 - 160
Phenanthrene	25.0	22.3	89	70 - 130
Anthracene	25.0	22.3	89	70 - 130
Di-n-butyl phthalate	25.0	23.8	95	70 - 130
Fluoranthene	25.0	22.6	90	70 - 130

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Prep Method:	EPA 3510C GCMS
Prep Batch:	B5H2503	Lab Sample ID:	B5H2503-BS1

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Pyrene	25.0	22.7	91	70 - 130
Butylbenzylphthalate	25.0	24.7	99	70 - 130
Benzo[a]anthracene	25.0	23.1	92	70 - 130
bis(2-ethylhexyl)phthalate	25.0	23.2	93	70 - 130
Chrysene	25.0	21.9	88	70 - 130
Di-n-octyl phthalate	25.0	24.4	98	70 - 130
Benzo[b]fluoranthene	25.0	23.4	94	70 - 130
Benzo[k]fluoranthene	25.0	21.8	87	70 - 130
Benzo[a]pyrene	25.0	23.1	92	70 - 130
Indeno(1,2,3-cd)pyrene	25.0	23.0	92	70 - 130
Dibenzo(a,h)anthracene	25.0	22.7	91	70 - 130
Benzo[ghi]perylene	25.0	23.3	93	70 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Pyridine	25.0	19.6	78	2	20	20 - 160
N-Nitrosodimethylamine	25.0	22.2	89	6	20	20 - 160
Aniline	25.0	20.0	80	5	20	20 - 160
Phenol	25.0	25.9	104	2	20	20 - 160
bis(2-chloroethyl)ether	25.0	24.4	98	0.2	20	70 - 130
2-Chlorophenol	25.0	25.3	101	0.3	20	70 - 130
1,3-Dichlorobenzene	25.0	22.8	91	0.7	20	70 - 130
1,4-Dichlorobenzene	25.0	23.2	93	0.3	20	70 - 130
Benzyl alcohol	25.0	27.4	110	1	20	20 - 160
1,2-Dichlorobenzene	25.0	23.0	92	0.2	20	70 - 130
2-Methylphenol	25.0	25.3	101	0.6	20	70 - 130
bis(2-chloroisopropyl)ether	25.0	25.3	101	0.9	20	70 - 130

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LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Prep Method:	EPA 3510C GCMS
Prep Batch:	B5H2503	Lab Sample ID:	B5H2503-BSD1

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
3 & 4-Methylphenol	25.0	26.2	105	2		20	20 - 160
N-Nitroso-di-n-propylamine	25.0	26.3	105	2		20	70 - 130
Hexachloroethane	25.0	22.3	89	3		20	20 - 160
Nitrobenzene	25.0	25.3	101	3		20	70 - 130
Isophorone	25.0	24.0	96	3		20	70 - 130
2-Nitrophenol	25.0	24.5	98	5		20	70 - 130
2,4-Dimethylphenol	25.0	22.8	91	0		20	70 - 130
bis(2-chloroethoxy)methane	25.0	23.6	94	2		20	70 - 130
2,4-Dichlorophenol	25.0	23.8	95	0.7		20	70 - 130
1,2,4-Trichlorobenzene	25.0	22.1	89	2		20	70 - 130
Naphthalene	25.0	23.2	93	0.02		20	70 - 130
4-Chloroaniline	25.0	10.2	41	5		20	20 - 160
Hexachlorobutadiene	25.0	21.8	87	0.7		20	70 - 130
4-Chloro-3-methylphenol	25.0	26.4	105	2		20	70 - 130
2-Methylnaphthylene	25.0	23.2	93	1		20	70 - 130
Hexachlorocyclopentadiene	25.0	15.8	63	8		20	20 - 160
2,4,6-Trichlorophenol	25.0	23.6	95	4		20	70 - 130
2,4,5-Trichlorophenol	25.0	23.3	93	5		20	70 - 130
2-Chloronaphthalene	25.0	24.4	97	2		20	70 - 130
2-Nitroaniline	25.0	27.9	112	1		20	70 - 130
Dimethylphthalate	25.0	23.9	95	0.2		20	70 - 130
Acenaphthylene	25.0	23.2	93	2		20	70 - 130
3-Nitroaniline	25.0	19.3	77	4		20	70 - 130
Acenaphthene	25.0	23.4	94	0.9		20	70 - 130
2,4-Dinitrophenol	25.0	25.9	104	23	*	20	20 - 160
4-Nitrophenol	25.0	27.4	110	13		20	20 - 160
Dibenzofuran	25.0	23.4	94	0.9		20	70 - 130
2,6-Dinitrotoluene	25.0	25.5	102	5		20	70 - 130

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Prep Method:	EPA 3510C GCMS
Prep Batch:	B5H2503	Lab Sample ID:	B5H2503-BSD1

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
2,4-Dinitrotoluene	25.0	26.7	107	4	20	70 - 130
Diethyl phthalate	25.0	25.2	101	0.9	20	70 - 130
4-Chlorophenyl-phenylether	25.0	23.2	93	0.7	20	70 - 130
Fluorene	25.0	23.3	93	0.04	20	70 - 130
4-Nitroaniline	25.0	26.3	105	7	20	70 - 130
4,6-Dinitro-2-methylphenol	25.0	26.5	106	9	20	70 - 130
Carbazole	25.0	24.2	97	0.6	20	70 - 130
N-Nitrosodiphenylamine	25.0	22.9	92	1	20	70 - 130
Azobenzene	25.0	26.5	106	7	20	70 - 130
4-Bromophenyl-phenylether	25.0	22.7	91	3	20	70 - 130
Hexachlorobenzene	25.0	22.4	89	4	20	70 - 130
Pentachlorophenol	25.0	21.4	86	7	20	20 - 160
Phenanthrene	25.0	22.1	88	0.9	20	70 - 130
Anthracene	25.0	22.2	89	0.6	20	70 - 130
Di-n-butyl phthalate	25.0	23.8	95	0.08	20	70 - 130
Fluoranthene	25.0	23.0	92	2	20	70 - 130
Pyrene	25.0	22.9	92	1	20	70 - 130
Butylbenzylphthalate	25.0	25.1	101	2	20	70 - 130
Benzo[a]anthracene	25.0	23.5	94	2	20	70 - 130
bis(2-ethylhexyl)phthalate	25.0	23.4	94	0.7	20	70 - 130
Chrysene	25.0	21.9	88	0.05	20	70 - 130
Di-n-octyl phthalate	25.0	24.0	96	2	20	70 - 130
Benzo[b]fluoranthene	25.0	23.1	93	1	20	70 - 130
Benzo[k]fluoranthene	25.0	21.9	88	0.3	20	70 - 130
Benzo[a]pyrene	25.0	22.8	91	1	20	70 - 130
Indeno(1,2,3-cd)pyrene	25.0	22.7	91	1	20	70 - 130
Dibenzo(a,h)anthracene	25.0	22.5	90	0.7	20	70 - 130
Benzo[ghi]perylene	25.0	22.8	91	2	20	70 - 130

Accredited Analytical Resources, LLC.

* Values outside of QC limits

Accredited Analytical Resources, LLC.

METHOD BLANK SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Blank ID:	B5H2503-BLK1	Batch:	B5H2503

Client Sample ID	Laboratory Sample ID	Lab File ID	Analysis Date/Time
TMW-1	1501458-01	F11527.D	08/26/2015 18:20
LCS	B5H2503-BS1	F11539.D	08/27/2015 13:50
LCS Dup	B5H2503-BSD1	F11540.D	08/27/2015 14:38
TMW-1	1501458-01RE1	F11542.D	08/27/2015 16:13

Accredited Analytical Resources, LLC.

INSTRUMENT PERFORMANCE CHECK

EPA 8270

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1501458
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street
Lab File ID:	F10672.D	Injection Date:	05/28/15
Instrument ID:	GC/MS F	Injection Time:	11:15
Sequence:	S5E2815	Lab Sample ID:	S5E2815-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
51	30 - 60% of 198	38.2	PASS
68	Less than 2% of 69	0.766	PASS
69	Less than 100% of 198	51.2	PASS
70	Less than 2% of 69	0.151	PASS
127	40 - 60% of 198	43.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.5	PASS
275	10 - 30% of 198	18.4	PASS
365	1 - 100% of 198	1.81	PASS
441	0.01 - 100% of 443	74.6	PASS
442	40 - 100% of 198	72.2	PASS
443	17 - 23% of 442	19.3	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Cal Standard	S5E2815-CAL4	F10673.D	05/28/2015	11:38:00
Cal Standard	S5E2815-CAL6	F10674.D	05/28/2015	12:23:00
Cal Standard	S5E2815-CAL1	F10675.D	05/28/2015	13:08:00
Cal Standard	S5E2815-CAL2	F10676.D	05/28/2015	13:53:00
Cal Standard	S5E2815-CAL3	F10677.D	05/28/2015	14:38:00
Cal Standard	S5E2815-CAL5	F10678.D	05/28/2015	15:24:00

Accredited Analytical Resources, LLC.

INSTRUMENT PERFORMANCE CHECK

EPA 8270

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1501458
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street
Lab File ID:	F11519.D	Injection Date:	08/26/15
Instrument ID:	GC/MS F	Injection Time:	12:37
Sequence:	S5H2607	Lab Sample ID:	S5H2607-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
51	30 - 60% of 198	33.9	PASS
68	Less than 2% of 69	0.36	PASS
69	Less than 100% of 198	48.5	PASS
70	Less than 2% of 69	0.231	PASS
127	40 - 60% of 198	41.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	5.96	PASS
275	10 - 30% of 198	17.6	PASS
365	1 - 100% of 198	1.71	PASS
441	0.01 - 100% of 443	82.3	PASS
442	40 - 100% of 198	65.6	PASS
443	17 - 23% of 442	17.8	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S5H2607-CCV1	F11520.D	08/26/2015	12:53:00
TMW-1	1501458-01	F11527.D	08/26/2015	18:20:00
Blank	B5H2503-BLK1	F11528.D	08/26/2015	19:06:00

Accredited Analytical Resources, LLC.

INSTRUMENT PERFORMANCE CHECK

EPA 8270

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1501458
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street
Lab File ID:	F11536.D	Injection Date:	08/27/15
Instrument ID:	GC/MS F	Injection Time:	11:13
Sequence:	S5H2708	Lab Sample ID:	S5H2708-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
51	30 - 60% of 198	37.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	55	PASS
70	Less than 2% of 69	0.0249	PASS
127	40 - 60% of 198	43.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.72	PASS
275	10 - 30% of 198	17.7	PASS
365	1 - 100% of 198	1.95	PASS
441	0.01 - 100% of 443	87.2	PASS
442	40 - 100% of 198	62.6	PASS
443	17 - 23% of 442	18	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S5H2708-CCV1	F11537.D	08/27/2015	12:17:00
LCS	B5H2503-BS1	F11539.D	08/27/2015	13:50:00
LCS Dup	B5H2503-BSD1	F11540.D	08/27/2015	14:38:00
TMW-1	1501458-01RE1	F11542.D	08/27/2015	16:13:00

Accredited Analytical Resources, LLC.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Sequence: S5H2607 Instrument: GC/MS F
Calibration: 15F1602

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2607-CCV1)			*Lab File ID: F11520.D*			*Analyzed: 08/26/15 12:53*			
1,4-Dichlorobenzene-d4	149978	10.46	164732	10.41	91	50 - 200	0.0500	+/-0.50	
Naphthalene-d8	663175	13.68	656328	13.63	101	50 - 200	0.0500	+/-0.50	
Acenaphthene-d10	296548	18.22	263091	18.17	113	50 - 200	0.0500	+/-0.50	
Phenanthrene-d10	549746	21.99	491374	21.91	112	50 - 200	0.0800	+/-0.50	
Chrysene-d12	488962	28.84	458512	28.75	107	50 - 200	0.0900	+/-0.50	
Perylene-d12	484037	32.25	477734	32.14	101	50 - 200	0.1100	+/-0.50	
TMW-1 (1501458-01)			*Lab File ID: F11527.D*			*Analyzed: 08/26/15 18:20*			
1,4-Dichlorobenzene-d4	159737	10.5	149978	10.46	107	50 - 200	0.0400	+/-0.50	
Naphthalene-d8	684994	13.69	663175	13.68	103	50 - 200	0.0100	+/-0.50	
Acenaphthene-d10	332294	18.21	296548	18.22	112	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	620913	21.98	549746	21.99	113	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	590649	28.82	488962	28.84	121	50 - 200	-0.0200	+/-0.50	
Perylene-d12	586418	32.23	484037	32.25	121	50 - 200	-0.0200	+/-0.50	
Blank (B5H2503-BLK1)			*Lab File ID: F11528.D*			*Analyzed: 08/26/15 19:06*			
1,4-Dichlorobenzene-d4	146144	10.45	149978	10.46	97	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	652663	13.66	663175	13.68	98	50 - 200	-0.0200	+/-0.50	
Acenaphthene-d10	323072	18.2	296548	18.22	109	50 - 200	-0.0200	+/-0.50	
Phenanthrene-d10	619348	21.97	549746	21.99	113	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	583005	28.8	488962	28.84	119	50 - 200	-0.0400	+/-0.50	
Perylene-d12	528703	32.21	484037	32.25	109	50 - 200	-0.0400	+/-0.50	

* Values outside of QC limits

Accredited Analytical Resources, LLC.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Sequence: S5H2708 Instrument: GC/MS F
Calibration: 15F1602

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2708-CCV1)			*Lab File ID: F11537.D*			*Analyzed: 08/27/15 12:17*			
1,4-Dichlorobenzene-d4	161933	10.44	164732	10.41	98	50 - 200	0.0300	+/-0.50	
Naphthalene-d8	719873	13.66	656328	13.63	110	50 - 200	0.0300	+/-0.50	
Acenaphthene-d10	334461	18.21	263091	18.17	127	50 - 200	0.0400	+/-0.50	
Phenanthrene-d10	670118	21.98	491374	21.91	136	50 - 200	0.0700	+/-0.50	
Chrysene-d12	642058	28.83	458512	28.75	140	50 - 200	0.0800	+/-0.50	
Perylene-d12	646844	32.24	477734	32.14	135	50 - 200	0.1000	+/-0.50	
LCS (B5H2503-BS1)			*Lab File ID: F11539.D*			*Analyzed: 08/27/15 13:50*			
1,4-Dichlorobenzene-d4	127725	10.44	161933	10.44	79	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	574251	13.65	719873	13.66	80	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	263470	18.2	334461	18.21	79	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	515344	21.96	670118	21.98	77	50 - 200	-0.0200	+/-0.50	
Chrysene-d12	476710	28.81	642058	28.83	74	50 - 200	-0.0200	+/-0.50	
Perylene-d12	478219	32.21	646844	32.24	74	50 - 200	-0.0300	+/-0.50	
LCS Dup (B5H2503-BSD1)			*Lab File ID: F11540.D*			*Analyzed: 08/27/15 14:38*			
1,4-Dichlorobenzene-d4	152065	10.44	161933	10.44	94	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	677681	13.66	719873	13.66	94	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	306608	18.21	334461	18.21	92	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	603575	21.97	670118	21.98	90	50 - 200	-0.0100	+/-0.50	
Chrysene-d12	556373	28.81	642058	28.83	87	50 - 200	-0.0200	+/-0.50	
Perylene-d12	569131	32.23	646844	32.24	88	50 - 200	-0.0100	+/-0.50	

Accredited Analytical Resources, LLC.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Sequence: S5H2708 Instrument: GC/MS F
Calibration: 15F1602

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
TMW-1 (1501458-01RE1)			*Lab File ID: F11542.D*			*Analyzed: 08/27/15 16:13*			
1,4-Dichlorobenzene-d4	157863	10.45	161933	10.44	97	50 - 200	0.0100	+/-0.50	
Naphthalene-d8	693911	13.65	719873	13.66	96	50 - 200	-0.0100	+/-0.50	
Acenaphthene-d10	340890	18.19	334461	18.21	102	50 - 200	-0.0200	+/-0.50	
Phenanthrene-d10	681741	21.95	670118	21.98	102	50 - 200	-0.0300	+/-0.50	
Chrysene-d12	637906	28.79	642058	28.83	99	50 - 200	-0.0400	+/-0.50	
Perylene-d12	647317	32.2	646844	32.24	100	50 - 200	-0.0400	+/-0.50	

* Values outside of QC limits

Accredited Analytical Resources, LLC.

SEMIVOLATILES CALIBRATION DATA

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration: 15F1602 Instrument: GC/MS F
Calibration Date: 5/28/2015 1:16:38PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Pyridine	5	1.356227	10	1.33329	20	1.448612	50	1.510555	80	1.331544	120	1.318605
N-Nitrosodimethylamine	5	1.041567	10	1.050243	20	1.012547	50	1.12696	80	1.068454	120	1.080101
Benzaldehyde	5	0.1503948	10	0.1685508	20	0.1694507	50	0.1592647	80	0.1645981	120	0.1468821
Aniline	5	2.799738	10	2.622689	20	2.727217	50	2.698774	80	2.609138	120	2.595384
Phenol	5	2.145242	10	2.23956	20	2.225162	50	2.177836	80	2.143965	120	1.94104
bis(2-chloroethyl)ether	5	2.013563	10	1.944342	20	2.045948	50	1.92189	80	1.890192	120	1.71012
2-Chlorophenol	5	1.601092	10	1.639298	20	1.653678	50	1.559629	80	1.53976	120	1.429755
1,3-Dichlorobenzene	5	1.70453	10	1.694891	20	1.672135	50	1.553962	80	1.523002	120	1.419933
1,4-Dichlorobenzene	5	1.742574	10	1.698097	20	1.651348	50	1.532958	80	1.486855	120	1.402696
Benzyl alcohol	5	1.157928	10	1.166225	20	1.196271	50	1.181041	80	1.197052	120	1.21709
1,2-Dichlorobenzene	5	1.642701	10	1.614721	20	1.613729	50	1.369779	80	1.338012	120	1.315816
2-Methylphenol	5	1.465904	10	1.509842	20	1.502631	50	1.379394	80	1.35375	120	1.360227
bis(2-chloroisopropyl)ether	5	2.954199	10	2.941286	20	2.905403	50	2.689731	80	2.620145	120	2.406987
Acetophenone	5	2.435616	10	2.443896	20	2.43486	50	2.285292	80	2.347341	120	2.276401
3 & 4-Methylphenol	5	1.587055	10	1.581281	20	1.562337	50	1.297278	80	1.326734	120	1.342444
N-Nitroso-di-n-propylamine	5	1.262926	10	1.256925	20	1.222068	50	1.132802	80	1.155412	120	1.176649
Hexachloroethane	5	0.7258498	10	0.7168427	20	0.7197692	50	0.6223053	80	0.6176327	120	0.641179
Nitrobenzene	5	0.375871	10	0.3977217	20	0.407263	50	0.3936593	80	0.373292	120	0.3861759
Isophorone	5	0.9279021	10	0.9091188	20	0.9335809	50	0.9059044	80	0.8727985	120	0.8890414
2-Nitrophenol	5	0.2135683	10	0.2206597	20	0.2376103	50	0.2405249	80	0.2196867	120	0.2337197
2,4-Dimethylphenol	5	0.3432821	10	0.3612473	20	0.3632887	50	0.3516876	80	0.3349119	120	0.3448844
Benzoic acid	5	7.642751E-02	10	0.1246828	20	0.1472683	50	0.1633159	80	0.1978441	120	0.1933198
bis(2-chloroethoxy)methane	5	0.5899172	10	0.5678024	20	0.5798889	50	0.5619056	80	0.5214121	120	0.5241129
2,4-Dichlorophenol	5	0.3035393	10	0.3097714	20	0.3078741	50	0.2966956	80	0.2823132	120	0.2918987
1,2,4-Trichlorobenzene	5	0.3200999	10	0.3390581	20	0.3316495	50	0.3058702	80	0.2822866	120	0.2964353
Naphthalene	5	1.139941	10	1.13043	20	1.122638	50	1.019928	80	0.9416096	120	0.8893897

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration: 15F1602 Instrument: GC/MS F
Calibration Date: 5/28/2015 1:16:38PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
4-Chloroaniline	5	0.5216949	10	0.5078096	20	0.5230598	50	0.4904072	80	0.476857	120	0.4638548
Hexachlorobutadiene	5	0.1708219	10	0.164306	20	0.1769767	50	0.1611658	80	0.156613	120	0.1717005
Caprolactam	5	0.1623573	10	0.1615896	20	0.1573745	50	0.1616996	80	0.1711202	120	0.1568154
4-Chloro-3-methylphenol	5	0.311922	10	0.3014868	20	0.3070931	50	0.2993954	80	0.2894239	120	0.2953885
2-Methylnaphthylene	5	0.7286827	10	0.7228172	20	0.7149427	50	0.6371778	80	0.6047669	120	0.5745235
1,2,4,5-Tetrachlorobenzene	5	0.7762347	10	0.784466	20	0.8135382	50	0.7913186	80	0.7531282	120	0.743536
Hexachlorocyclopentadiene	5	0.3504251	10	0.3735246	20	0.4010582	50	0.4814699	80	0.417126	120	0.4615093
2,4,6-Trichlorophenol	5	0.4536757	10	0.4664744	20	0.4774156	50	0.4787788	80	0.4653998	120	0.4459562
2,4,5-Trichlorophenol	5	0.4969046	10	0.5034087	20	0.5033247	50	0.5148454	80	0.497066	120	0.4459562
2-Chloronaphthalene	5	1.48752	10	1.468978	20	1.41284	50	1.282294	80	1.208378	120	1.14732
1,1-Biphenyl	5	2.061756	10	2.080646	20	1.923022	50	1.782282	80	1.680992	120	1.578066
2-Nitroaniline	5	0.3963312	10	0.424598	20	0.4362471	50	0.45746	80	0.4471876	120	0.4268921
Dimethylphthalate	5	1.739166	10	1.714607	20	1.715559	50	1.580104	80	1.497917	120	1.317846
Acenaphthylene	5	2.445279	10	2.423421	20	2.389901	50	2.288747	80	2.115389	120	1.83249
3-Nitroaniline	5	0.4877173	10	0.5190392	20	0.525911	50	0.5091014	80	0.5137083	120	0.4631622
Acenaphthene	5	1.462787	10	1.418344	20	1.420969	50	1.300298	80	1.265431	120	1.097521
2,4-Dinitrophenol	5	0.104224	10	0.1641865	20	0.2251212	50	0.2725171	80	0.2928774	120	0.2873753
4-Nitrophenol	5	0.1188568	10	0.1327499	20	0.1459026	50	0.1529053	80	0.1585343	120	0.1487265
Dibenzofuran	5	2.116241	10	2.060804	20	1.961572	50	1.838482	80	1.785412	120	1.642445
2,6-Dinitrotoluene	5	0.4038757	10	0.4514726	20	0.456714	50	0.4468416	80	0.4339995	120	0.4078937
2,4-Dinitrotoluene	5	0.5215156	10	0.5590148	20	0.6027378	50	0.5940241	80	0.5971071	120	0.5578109
2,3,4,6-Tetrachlorophenol	5	0.3622895	10	0.3858506	20	0.4018529	50	0.3925607	80	0.4067309	120	0.3817022
Diethyl phthalate	5	1.790183	10	1.77963	20	1.778792	50	1.590607	80	1.531056	120	1.297461
4-Chlorophenyl-phenylether	5	0.7214761	10	0.7257747	20	0.7021129	50	0.662922	80	0.6462965	120	0.5963549
Fluorene	5	1.633391	10	1.597415	20	1.529873	50	1.357802	80	1.335491	120	1.190474
4-Nitroaniline	5	0.4274524	10	0.5064938	20	0.5340403	50	0.5329532	80	0.530346	120	0.498304

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration: 15F1602 Instrument: GC/MS F
Calibration Date: 5/28/2015 1:16:38PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
4,6-Dinitro-2-methylphenol	5	0.1095472	10	0.1363803	20	0.1705374	50	0.1863232	80	0.1818082	120	0.1770229
Carbazole	5	1.173316	10	1.16848	20	1.19185	50	1.086841	80	1.045555	120	0.9931044
1,2-Diphenylhydrazine	5	1.030371	10	1.046733	20	1.030462	50	1.091799	80	1.063091	120	0.9899843
Azobenzene	5	1.030371	10	1.046733	20	1.030462	50	1.091799	80	1.063091	120	0.9899843
4-Bromophenyl-phenylether	5	0.2125976	10	0.2153819	20	0.2155342	50	0.1996947	80	0.1997389	120	0.2041611
Atrazine	5	0.2450314	10	0.2678588	20	0.2575139	50	0.2408984	80	0.2305406	120	0.2166055
Hexachlorobenzene	5	0.2446825	10	0.2569426	20	0.2602992	50	0.2495321	80	0.2501665	120	0.2710952
Pentachlorophenol	5	0.1381095	10	0.1517066	20	0.1699844	50	0.1653649	80	0.1665937	120	0.1728305
Phenanthrene	5	1.309116	10	1.259389	20	1.217008	50	1.096735	80	1.043471	120	1.001017
Anthracene	5	1.294926	10	1.277546	20	1.268686	50	1.145243	80	1.078226	120	1.036406
Di-n-butyl phthalate	5	1.847863	10	1.828001	20	1.810262	50	1.683218	80	1.59321	120	1.476315
Fluoranthene	5	1.299147	10	1.304997	20	1.28513	50	1.136155	80	1.107768	120	1.079179
Benzidine	5	0.496134	10	0.6223256	20	0.6053474	50	0.6151028	80	0.616762	120	0.561916
Pyrene	5	1.5115	10	1.514012	20	1.392822	50	1.297318	80	1.211396	120	1.165766
Butylbenzylphthalate	5	0.8897589	10	0.9018679	20	0.8994153	50	0.8704784	80	0.8159861	120	0.73887
3,3'-Dichlorobenzidine	5	0.433724	10	0.4044154	20	0.410599	50	0.3990299	80	0.4293287	120	0.4436408
Benzo[a]anthracene	5	1.312506	10	1.297482	20	1.240357	50	1.171982	80	1.156573	120	1.136337
bis(2-ethylhexyl)phthalate	5	1.285744	10	1.290273	20	1.31237	50	1.226702	80	1.145712	120	1.022825
Chrysene	5	1.192459	10	1.222302	20	1.174012	50	1.089387	80	1.05472	120	1.01739
Di-n-octyl phthalate	5	2.303995	10	2.31097	20	2.260119	50	2.10772	80	1.918984	120	1.843093
Benzo[b]fluoranthene	5	1.351077	10	1.319138	20	1.266111	50	1.228178	80	1.141033	120	1.229182
Benzo[k]fluoranthene	5	1.190026	10	1.197352	20	1.15629	50	1.038953	80	1.163761	120	1.067831
Benzo[a]pyrene	5	1.208785	10	1.218341	20	1.214616	50	1.118569	80	1.102885	120	1.112563
Indeno(1,2,3-cd)pyrene	5	1.368657	10	1.352201	20	1.348277	50	1.278496	80	1.258077	120	1.192774
Dibenzo(a,h)anthracene	5	1.087415	10	1.128329	20	1.090801	50	1.037069	80	1.054249	120	1.02083
Benzo[ghi]perylene	5	1.162838	10	1.173742	20	1.167454	50	1.094229	80	1.041155	120	0.9489085

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15F1602	Instrument:	GC/MS F
		Calibration Date:	5/28/2015 1:16:38PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
2-Fluorophenol	5	1.400565	10	1.40658	20	1.487057	50	1.477411	80	1.457242	120	1.405046
Phenol-d5	5	2.08113	10	2.028396	20	2.089594	50	2.069436	80	2.042513	120	1.936274
Nitrobenzene-d5	5	0.3796391	10	0.384985	20	0.3964999	50	0.3920503	80	0.370179	120	0.3879278
2-Fluorobiphenyl	5	1.55107	10	1.549851	20	1.545595	50	1.479813	80	1.391397	120	1.30045
2,4,6-Tribromophenol	5	0.2043411	10	0.2282878	20	0.2492516	50	0.2602324	80	0.2771091	120	0.2972716
Terphenyl-d14	5	0.8879175	10	0.8666998	20	0.8096253	50	0.7770772	80	0.7700679	120	0.7834091

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15F1602	Instrument:	GC/MS F
		Calibration Date:	5/28/2015 1:16:38PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Pyridine	1.383139	5.652059		
N-Nitrosodimethylamine	1.063312	3.661821		
Benzaldehyde	0.1598569	5.923564		
Aniline	2.67549	3.002347		
Phenol	2.145467	5.021986	CCC (20)	
bis(2-chloroethyl)ether	1.921009	6.165734		
2-Chlorophenol	1.570535	5.208699		
1,3-Dichlorobenzene	1.594742	7.173787		
1,4-Dichlorobenzene	1.585755	8.346766	CCC (20)	
Benzyl alcohol	1.185934	1.84653		
1,2-Dichlorobenzene	1.48246	10.52539		
2-Methylphenol	1.428625	5.064157		
bis(2-chloroisopropyl)ether	2.752958	7.967231		
Acetophenone	2.370568	3.290378		
3 & 4-Methylphenol	1.449521	9.693963		
N-Nitroso-di-n-propylamine	1.20113	4.518585	SPCC (0.05)	
Hexachloroethane	0.6739298	7.723221		
Nitrobenzene	0.3889972	3.368301		
Isophorone	0.906391	2.534756		
2-Nitrophenol	0.2276283	4.861807	CCC (20)	
2,4-Dimethylphenol	0.3498837	3.143396		
Benzoic acid	0.1504764	30.31271		
bis(2-chloroethoxy)methane	0.5575065	5.133073		
2,4-Dichlorophenol	0.298682	3.508124	CCC (20)	
1,2,4-Trichlorobenzene	0.3125666	6.928049		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15F1602	Instrument:	GC/MS F
		Calibration Date:	5/28/2015 1:16:38PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Naphthalene	1.040656	10.32805		
4-Chloroaniline	0.4972805	4.887128		
Hexachlorobutadiene	0.1669307	4.525848	CCC (20)	
Caprolactam	0.1618261	3.170956		
4-Chloro-3-methylphenol	0.300785	2.678105	CCC (20)	
2-Methylnaphthylene	0.6638185	10.09926		
1,2,4,5-Tetrachlorobenzene	0.7770369	3.299235		
Hexachlorocyclopentadiene	0.4141855	12.15197	SPCC (0.05)	
2,4,6-Trichlorophenol	0.4646168	2.783673	CCC (20)	
2,4,5-Trichlorophenol	0.4935843	4.90862		
2-Chloronaphthalene	1.334555	10.66582		
1,1-Biphenyl	1.851127	11.08316		
2-Nitroaniline	0.4314527	4.914799		
Dimethylphthalate	1.5942	10.34838		
Acenaphthylene	2.249204	10.55334		
3-Nitroaniline	0.5031066	4.665325		
Acenaphthene	1.327558	10.26066	CCC (20)	
2,4-Dinitrophenol	0.2243836	33.96354	SPCC (0.05)	
4-Nitrophenol	0.1429459	10.22701	SPCC (0.05)	
Dibenzofuran	1.900826	9.400761		
2,6-Dinitrotoluene	0.4334662	5.233781		
2,4-Dinitrotoluene	0.5720351	5.516413		
2,3,4,6-Tetrachlorophenol	0.3884978	4.098073		
Diethyl phthalate	1.627955	12.03983		
4-Chlorophenyl-phenylether	0.6758229	7.434965		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15F1602	Instrument:	GC/MS F
		Calibration Date:	5/28/2015 1:16:38PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Fluorene	1.440741	12.02977		
4-Nitroaniline	0.5049316	8.082541		
4,6-Dinitro-2-methylphenol	0.1602699	19.07334		
Carbazole	1.109858	7.262234		
1,2-Diphenylhydrazine	1.042073	3.302349		
Azobenzene	1.042073	3.302349		
4-Bromophenyl-phenylether	0.2078514	3.627354		
Atrazine	0.2430748	7.561256		
Hexachlorobenzene	0.255453	3.71122		
Pentachlorophenol	0.1607649	8.256949	CCC (20)	
Phenanthrene	1.154456	10.82146		
Anthracene	1.183506	9.461892		
Di-n-butyl phthalate	1.706478	8.765564		
Fluoranthene	1.202063	8.745428	CCC (20)	
Benzidine	0.5862646	8.405785		
Pyrene	1.348802	11.03344		
Butylbenzylphthalate	0.8527294	7.52624		
3,3'-Dichlorobenzidine	0.420123	4.264792		
Benzo[a]anthracene	1.219206	6.17062		
bis(2-ethylhexyl)phthalate	1.213938	9.174088		
Chrysene	1.125045	7.352061		
Di-n-octyl phthalate	2.124147	9.580971	CCC (20)	
Benzo[b]fluoranthene	1.255787	5.941878		
Benzo[k]fluoranthene	1.135702	5.831333		
Benzo[a]pyrene	1.162627	4.858561	CCC (20)	

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INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15F1602	Instrument:	GC/MS F
		Calibration Date:	5/28/2015 1:16:38PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Indeno(1,2,3-cd)pyrene	1.299747	5.273084		
Dibenzo(a,h)anthracene	1.069782	3.712872		
Benzo[ghi]perylene	1.098054	8.169812		
2-Fluorophenol	1.438984	2.744572		
Phenol-d5	2.041224	2.763391		
Nitrobenzene-d5	0.3852135	2.431473		
2-Fluorobiphenyl	1.469696	7.050359		
2,4,6-Tribromophenol	0.2527489	13.22392		
Terphenyl-d14	0.8157995	6.121572		

* Values outside of QC limits

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CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS F	Calibration:	15F1602
Lab File ID:	F11520.D	Calibration Date:	05/28/15 13:16
Sequence:	S5H2607	Injection Date:	08/26/15
Lab Sample ID:	S5H2607-CCV1	Injection Time:	12:53

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	50.5	1.383139	1.395794		0.9	
N-Nitrosodimethylamine	A	50.0	49.9	1.063312	1.061638		-0.2	
Benzaldehyde	A	50.0	86.3	0.1598569	0.2758965		72.6	
Aniline	A	50.0	50.9	2.67549	2.72345		1.8	
Phenol	A	50.0	54.5	2.145467	2.340157		9.1	20
bis(2-chloroethyl)ether	A	50.0	52.6	1.921009	2.021331		5.2	
2-Chlorophenol	A	50.0	52.3	1.570535	1.642124		4.6	
1,3-Dichlorobenzene	A	50.0	49.8	1.594742	1.586825		-0.5	
1,4-Dichlorobenzene	A	50.0	49.7	1.585755	1.576962		-0.6	20
Benzyl alcohol	A	50.0	58.3	1.185934	1.383584		16.7	
1,2-Dichlorobenzene	A	50.0	49.1	1.48246	1.454869		-1.9	
2-Methylphenol	A	50.0	52.7	1.428625	1.505698		5.4	
bis(2-chloroisopropyl)ether	A	50.0	56.3	2.752958	3.102215		12.7	
Acetophenone	A	50.0	53.1	2.370568	2.516796		6.2	
3 & 4-Methylphenol	A	50.0	52.9	1.449521	1.534721		5.9	
N-Nitroso-di-n-propylamine	A	50.0	55.6	1.20113	1.334436	0.05	11.1	
Hexachloroethane	A	50.0	48.5	0.6739298	0.6539146		-3.0	
Nitrobenzene	A	50.0	53.0	0.3889972	0.4124172		6.0	
Isophorone	A	50.0	50.0	0.906391	0.9063864		-0.0005	
2-Nitrophenol	A	50.0	50.3	0.2276283	0.2289483		0.6	20
2,4-Dimethylphenol	A	50.0	50.3	0.3498837	0.3520302		0.6	
Benzoic acid	A	50.0	37.4	0.1504764	0.1126231		-25.2	
bis(2-chloroethoxy)methane	A	50.0	49.5	0.5575065	0.5515962		-1.1	

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CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS F	Calibration:	15F1602
Lab File ID:	F11520.D	Calibration Date:	05/28/15 13:16
Sequence:	S5H2607	Injection Date:	08/26/15
Lab Sample ID:	S5H2607-CCV1	Injection Time:	12:53

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	49.3	0.298682	0.294601		-1.4	20
1,2,4-Trichlorobenzene	A	50.0	45.8	0.3125666	0.2861821		-8.4	
Naphthalene	A	50.0	48.8	1.040656	1.015284		-2.4	
4-Chloroaniline	A	50.0	49.2	0.4972805	0.4895999		-1.5	
Hexachlorobutadiene	A	50.0	45.8	0.1669307	0.1530902		-8.3	20
Caprolactam	A	50.0	43.8	0.1618261	0.1416809		-12.4	
4-Chloro-3-methylphenol	A	50.0	53.7	0.300785	0.3230653		7.4	20
2-Methylnaphthylene	A	50.0	50.1	0.6638185	0.6647452		0.1	
1,2,4,5-Tetrachlorobenzene	A	50.0	44.5	0.7770369	0.6922131		-10.9	
Hexachlorocyclopentadiene	A	50.0	39.5	0.4141855	0.3274478	0.05	-20.9	
2,4,6-Trichlorophenol	A	50.0	46.8	0.4646168	0.4351619		-6.3	20
2,4,5-Trichlorophenol	A	50.0	47.8	0.4935843	0.4722096		-4.3	
2-Chloronaphthalene	A	50.0	45.4	1.334555	1.212979		-9.1	
1,1-Biphenyl	A	50.0	45.3	1.851127	1.678641		-9.3	
2-Nitroaniline	A	50.0	57.3	0.4314527	0.4946788		14.7	
Dimethylphthalate	A	50.0	48.7	1.5942	1.552965		-2.6	
Acenaphthylene	A	50.0	48.3	2.249204	2.172125		-3.4	
3-Nitroaniline	A	50.0	49.8	0.5031066	0.5013772		-0.3	
Acenaphthene	A	50.0	48.2	1.327558	1.279774		-3.6	20
2,4-Dinitrophenol	A	50.0	53.9	0.2243836	0.241774	0.05	7.8	
4-Nitrophenol	A	50.0	58.2	0.1429459	0.166284	0.05	16.3	
Dibenzofuran	A	50.0	47.4	1.900826	1.801662		-5.2	
2,6-Dinitrotoluene	A	50.0	51.6	0.4334662	0.446986		3.1	

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CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS F	Calibration:	15F1602
Lab File ID:	F11520.D	Calibration Date:	05/28/15 13:16
Sequence:	S5H2607	Injection Date:	08/26/15
Lab Sample ID:	S5H2607-CCV1	Injection Time:	12:53

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrotoluene	A	50.0	52.8	0.5720351	0.6039899		5.6	
2,3,4,6-Tetrachlorophenol	A	50.0	46.4	0.3884978	0.3607106		-7.2	
Diethyl phthalate	A	50.0	51.9	1.627955	1.689847		3.8	
4-Chlorophenyl-phenylether	A	50.0	46.7	0.6758229	0.6315011		-6.6	
Fluorene	A	50.0	47.8	1.440741	1.375931		-4.5	
4-Nitroaniline	A	50.0	51.6	0.5049316	0.5210273		3.2	
4,6-Dinitro-2-methylphenol	A	50.0	56.2	0.1602699	0.1802098		12.4	
Carbazole	A	50.0	44.6	1.109858	0.9894941		-10.8	
1,2-Diphenylhydrazine	A	50.0	56.5	1.042073	1.176805		12.9	
Azobenzene	A	50.0	56.5	1.042073	1.176805		12.9	
4-Bromophenyl-phenylether	A	50.0	46.6	0.2078514	0.1935599		-6.9	
Atrazine	A	50.0	41.2	0.2430748	0.2002539		-17.6	
Hexachlorobenzene	A	50.0	46.0	0.255453	0.2351282		-8.0	
Pentachlorophenol	A	50.0	46.3	0.1607649	0.1488673		-7.4	20
Phenanthrene	A	50.0	47.1	1.154456	1.086711		-5.9	
Anthracene	A	50.0	47.8	1.183506	1.132363		-4.3	
Di-n-butyl phthalate	A	50.0	49.7	1.706478	1.69525		-0.7	
Fluoranthene	A	50.0	46.9	1.202063	1.126715		-6.3	20
Benzidine	A	50.0	49.9	0.5862646	0.5845853		-0.3	
Pyrene	A	50.0	48.6	1.348802	1.310058		-2.9	
Butylbenzylphthalate	A	50.0	51.4	0.8527294	0.8772101		2.9	
3,3'-Dichlorobenzidine	A	50.0	44.2	0.420123	0.37108		-11.7	
Benzo[a]anthracene	A	50.0	46.9	1.219206	1.144068		-6.2	

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CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS F	Calibration:	15F1602
Lab File ID:	F11520.D	Calibration Date:	05/28/15 13:16
Sequence:	S5H2607	Injection Date:	08/26/15
Lab Sample ID:	S5H2607-CCV1	Injection Time:	12:53

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
bis(2-ethylhexyl)phthalate	A	50.0	49.0	1.213938	1.190951		-1.9	
Chrysene	A	50.0	46.5	1.125045	1.046418		-7.0	
Di-n-octyl phthalate	A	50.0	49.6	2.124147	2.104841		-0.9	20
Benzo[b]fluoranthene	A	50.0	48.8	1.255787	1.226817		-2.3	
Benzo[k]fluoranthene	A	50.0	44.0	1.135702	1.000153		-11.9	
Benzo[a]pyrene	A	50.0	47.1	1.162627	1.094878		-5.8	20
Indeno(1,2,3-cd)pyrene	A	50.0	46.4	1.299747	1.207418		-7.1	
Dibenzo(a,h)anthracene	A	50.0	46.7	1.069782	0.9986774		-6.6	
Benzo[ghi]perylene	A	50.0	47.4	1.098054	1.040403		-5.3	
2-Fluorophenol	A	50.0	50.7	1.438984	1.460358		1.5	
Phenol-d5	A	50.0	52.0	2.041224	2.123719		4.0	
Nitrobenzene-d5	A	50.0	50.6	0.3852135	0.389806		1.2	
2-Fluorobiphenyl	A	50.0	46.3	1.469696	1.360033		-7.5	
2,4,6-Tribromophenol	A	50.0	46.5	0.2527489	0.2348895		-7.1	
Terphenyl-d14	A	50.0	47.4	0.8157995	0.7737714		-5.2	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS F	Calibration:	15F1602
Lab File ID:	F11537.D	Calibration Date:	05/28/15 13:16
Sequence:	S5H2708	Injection Date:	08/27/15
Lab Sample ID:	S5H2708-CCV1	Injection Time:	12:17

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Pyridine	A	50.0	49.2	1.383139	1.362346		-1.5	
N-Nitrosodimethylamine	A	50.0	44.5	1.063312	0.9471819		-10.9	
Benzaldehyde	A	50.0	104	0.1598569	0.3340295		109	
Aniline	A	50.0	49.4	2.67549	2.645356		-1.1	
Phenol	A	50.0	51.7	2.145467	2.217287		3.3	20
bis(2-chloroethyl)ether	A	50.0	50.7	1.921009	1.94762		1.4	
2-Chlorophenol	A	50.0	50.4	1.570535	1.584107		0.9	
1,3-Dichlorobenzene	A	50.0	47.0	1.594742	1.500285		-5.9	
1,4-Dichlorobenzene	A	50.0	47.5	1.585755	1.505042		-5.1	20
Benzyl alcohol	A	50.0	56.1	1.185934	1.331667		12.3	
1,2-Dichlorobenzene	A	50.0	47.5	1.48246	1.409304		-4.9	
2-Methylphenol	A	50.0	51.1	1.428625	1.461064		2.3	
bis(2-chloroisopropyl)ether	A	50.0	52.4	2.752958	2.887411		4.9	
Acetophenone	A	50.0	51.6	2.370568	2.444843		3.1	
3 & 4-Methylphenol	A	50.0	52.4	1.449521	1.519532		4.8	
N-Nitroso-di-n-propylamine	A	50.0	54.1	1.20113	1.298621	0.05	8.1	
Hexachloroethane	A	50.0	46.6	0.6739298	0.627583		-6.9	
Nitrobenzene	A	50.0	50.2	0.3889972	0.3902666		0.3	
Isophorone	A	50.0	49.9	0.906391	0.9038483		-0.3	
2-Nitrophenol	A	50.0	50.2	0.2276283	0.2285803		0.4	20
2,4-Dimethylphenol	A	50.0	50.1	0.3498837	0.3504151		0.2	
Benzoic acid	A	50.0	41.0	0.1504764	0.1234107		-18.0	
bis(2-chloroethoxy)methane	A	50.0	47.8	0.5575065	0.5330829		-4.4	

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CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS F	Calibration:	15F1602
Lab File ID:	F11537.D	Calibration Date:	05/28/15 13:16
Sequence:	S5H2708	Injection Date:	08/27/15
Lab Sample ID:	S5H2708-CCV1	Injection Time:	12:17

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.0	48.4	0.298682	0.2893277		-3.1	20
1,2,4-Trichlorobenzene	A	50.0	45.3	0.3125666	0.2833089		-9.4	
Naphthalene	A	50.0	47.1	1.040656	0.9805241		-5.8	
4-Chloroaniline	A	50.0	48.9	0.4972805	0.486368		-2.2	
Hexachlorobutadiene	A	50.0	44.4	0.1669307	0.1481339		-11.3	20
Caprolactam	A	50.0	46.3	0.1618261	0.1497775		-7.4	
4-Chloro-3-methylphenol	A	50.0	54.8	0.300785	0.3297593		9.6	20
2-Methylnaphthylene	A	50.0	47.5	0.6638185	0.6306368		-5.0	
1,2,4,5-Tetrachlorobenzene	A	50.0	43.1	0.7770369	0.6698969		-13.8	
Hexachlorocyclopentadiene	A	50.0	35.4	0.4141855	0.2929872	0.05	-29.3	
2,4,6-Trichlorophenol	A	50.0	45.8	0.4646168	0.4251569		-8.5	20
2,4,5-Trichlorophenol	A	50.0	47.6	0.4935843	0.469998		-4.8	
2-Chloronaphthalene	A	50.0	44.1	1.334555	1.17735		-11.8	
1,1-Biphenyl	A	50.0	44.2	1.851127	1.637694		-11.5	
2-Nitroaniline	A	50.0	56.2	0.4314527	0.485		12.4	
Dimethylphthalate	A	50.0	48.0	1.5942	1.530293		-4.0	
Acenaphthylene	A	50.0	46.6	2.249204	2.097436		-6.7	
3-Nitroaniline	A	50.0	51.3	0.5031066	0.5160996		2.6	
Acenaphthene	A	50.0	47.0	1.327558	1.247765		-6.0	20
2,4-Dinitrophenol	A	50.0	54.1	0.2243836	0.2428696	0.05	8.2	
4-Nitrophenol	A	50.0	59.7	0.1429459	0.1707655	0.05	19.5	
Dibenzofuran	A	50.0	47.4	1.900826	1.802843		-5.2	
2,6-Dinitrotoluene	A	50.0	51.6	0.4334662	0.4474758		3.2	

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CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS F	Calibration:	15F1602
Lab File ID:	F11537.D	Calibration Date:	05/28/15 13:16
Sequence:	S5H2708	Injection Date:	08/27/15
Lab Sample ID:	S5H2708-CCV1	Injection Time:	12:17

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrotoluene	A	50.0	54.4	0.5720351	0.6227668		8.9	
2,3,4,6-Tetrachlorophenol	A	50.0	48.3	0.3884978	0.3750321		-3.5	
Diethyl phthalate	A	50.0	50.9	1.627955	1.658322		1.9	
4-Chlorophenyl-phenylether	A	50.0	46.8	0.6758229	0.6319326		-6.5	
Fluorene	A	50.0	47.0	1.440741	1.354497		-6.0	
4-Nitroaniline	A	50.0	56.5	0.5049316	0.5702835		12.9	
4,6-Dinitro-2-methylphenol	A	50.0	53.1	0.1602699	0.1701145		6.1	
Carbazole	A	50.0	45.7	1.109858	1.013956		-8.6	
1,2-Diphenylhydrazine	A	50.0	52.3	1.042073	1.08921		4.5	
Azobenzene	A	50.0	52.3	1.042073	1.08921		4.5	
4-Bromophenyl-phenylether	A	50.0	44.7	0.2078514	0.1857846		-10.6	
Atrazine	A	50.0	44.2	0.2430748	0.2146798		-11.7	
Hexachlorobenzene	A	50.0	45.0	0.255453	0.2299356		-10.0	
Pentachlorophenol	A	50.0	43.3	0.1607649	0.1393068		-13.3	20
Phenanthrene	A	50.0	45.2	1.154456	1.043867		-9.6	
Anthracene	A	50.0	45.3	1.183506	1.07203		-9.4	
Di-n-butyl phthalate	A	50.0	47.7	1.706478	1.626703		-4.7	
Fluoranthene	A	50.0	44.7	1.202063	1.073708		-10.7	20
Benzidine	A	50.0	50.1	0.5862646	0.5876055		0.2	
Pyrene	A	50.0	44.4	1.348802	1.196549		-11.3	
Butylbenzylphthalate	A	50.0	48.1	0.8527294	0.8203608		-3.8	
3,3'-Dichlorobenzidine	A	50.0	47.8	0.420123	0.401322		-4.5	
Benzo[a]anthracene	A	50.0	45.7	1.219206	1.113283		-8.7	

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8270

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS F	Calibration:	15F1602
Lab File ID:	F11537.D	Calibration Date:	05/28/15 13:16
Sequence:	S5H2708	Injection Date:	08/27/15
Lab Sample ID:	S5H2708-CCV1	Injection Time:	12:17

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
bis(2-ethylhexyl)phthalate	A	50.0	44.8	1.213938	1.086759		-10.5	
Chrysene	A	50.0	43.6	1.125045	0.9807874		-12.8	
Di-n-octyl phthalate	A	50.0	47.1	2.124147	2.000254		-5.8	20
Benzo[b]fluoranthene	A	50.0	46.6	1.255787	1.171755		-6.7	
Benzo[k]fluoranthene	A	50.0	43.1	1.135702	0.9787943		-13.8	
Benzo[a]pyrene	A	50.0	45.8	1.162627	1.06618		-8.3	20
Indeno(1,2,3-cd)pyrene	A	50.0	45.8	1.299747	1.191758		-8.3	
Dibenzo(a,h)anthracene	A	50.0	45.7	1.069782	0.9773856		-8.6	
Benzo[ghi]perylene	A	50.0	46.2	1.098054	1.014371		-7.6	
2-Fluorophenol	A	50.0	49.4	1.438984	1.420153		-1.3	
Phenol-d5	A	50.0	50.8	2.041224	2.075812		1.7	
Nitrobenzene-d5	A	50.0	48.4	0.3852135	0.3727713		-3.2	
2-Fluorobiphenyl	A	50.0	44.6	1.469696	1.312275		-10.7	
2,4,6-Tribromophenol	A	50.0	51.0	0.2527489	0.2579171		2.0	
Terphenyl-d14	A	50.0	44.9	0.8157995	0.7319152		-10.3	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/24/15 20:48	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M17097.D
Prep Batch:	B5H2410	Sequence:	S5H2407	Analyzed:	08/24/15 20:48
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
107-02-8	Acrolein	ND	120	200	U
107-13-1	Acrylonitrile	ND	40.0	200	U
67-64-1	Acetone	59.8	20.0	20.0	D
75-71-8	Dichlorodifluoromethane	ND	20.0	20.0	U
74-87-3	Chloromethane	ND	20.0	20.0	U
75-01-4	Vinyl chloride	ND	20.0	20.0	U
74-83-9	Bromomethane	ND	20.0	20.0	U
75-00-3	Chloroethane	ND	20.0	20.0	U
75-69-4	Trichlorofluoromethane	ND	20.0	20.0	U
75-35-4	1,1-Dichloroethene	ND	8.00	20.0	U
75-15-0	Carbon disulfide	ND	8.00	20.0	U
75-09-2	Methylene Chloride	29.2	8.00	20.0	D, B
156-60-5	trans-1,2-Dichloroethene	ND	8.00	20.0	U
75-34-3	1,1-Dichloroethane	ND	8.00	20.0	U
108-05-4	Vinyl acetate	ND	8.00	20.0	U
590-20-7	2,2-Dichloropropane	ND	8.00	20.0	U
78-93-3	2-Butanone	ND	10.0	20.0	U
156-59-4	cis-1,2-Dichloroethene	ND	10.0	20.0	U
67-66-3	Chloroform	ND	10.0	20.0	U
74-97-5	Bromochloromethane	ND	10.0	20.0	U
71-55-6	1,1,1-Trichloroethane	ND	10.0	20.0	U
563-58-6	1,1-Dichloropropene	ND	10.0	20.0	U
56-23-5	Carbon Tetrachloride	ND	10.0	20.0	U
107-06-2	1,2-Dichloroethane	ND	10.0	20.0	U
71-43-2	Benzene	ND	10.0	20.0	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/24/15 20:48	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M17097.D
Prep Batch:	B5H2410	Sequence:	S5H2407	Analyzed:	08/24/15 20:48
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
79-01-6	Trichloroethene	ND	10.0	20.0	U
78-87-5	1,2-Dichloropropane	ND	10.0	20.0	U
75-27-4	Bromodichloromethane	ND	10.0	20.0	U
74-95-3	Dibromomethane	ND	10.0	20.0	U
110-75-8	2-Chloroethyl vinyl ether	ND	10.0	20.0	U
10061-01-5	cis-1,3-Dichloropropene	ND	10.0	20.0	U
108-88-3	Toluene	24.2	10.0	20.0	D
10061-02-6	trans-1,3-Dichloropropene	ND	10.0	20.0	U
79-00-5	1,1,2-Trichloroethane	ND	10.0	20.0	U
108-10-1	4-Methyl-2-pentanone	ND	10.0	20.0	U
106-93-4	1,2-Dibromoethane	ND	10.0	20.0	U
591-78-6	2-Hexanone	ND	10.0	20.0	U
142-28-9	1,3-Dichloropropane	ND	10.0	20.0	U
127-18-4	Tetrachloroethene	ND	10.0	20.0	U
124-48-1	Dibromochloromethane	ND	10.0	20.0	U
100-41-4	Ethylbenzene	1180	10.0	20.0	D
108-90-7	Chlorobenzene	ND	10.0	20.0	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	10.0	20.0	U
108-38-3/106-42	m,p-Xylenes	3560	20.0	40.0	D
95-47-6	o-Xylene	1200	20.0	40.0	D
100-42-5	Styrene	ND	20.0	40.0	U
75-25-2	Bromoform	ND	10.0	20.0	U
98-82-8	Isopropylbenzene	296	10.0	20.0	D
79-34-5	1,1,2,2-Tetrachloroethane	ND	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane	ND	10.0	20.0	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/24/15 20:48	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M17097.D
Prep Batch:	B5H2410	Sequence:	S5H2407	Analyzed:	08/24/15 20:48
Dilution:	20			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
103-65-1	n-Propyl Benzene	845	10.0	20.0	D
108-86-1	Bromobenzene	ND	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene	998	10.0	20.0	D
95-49-8	2-Chlorotoluene	ND	10.0	20.0	U
106-43-4	4-Chlorotoluene	ND	10.0	20.0	U
98-06-6	tert-Butylbenzene	ND	10.0	20.0	U
95-63-6	1,2,4-Trimethylbenzene	3280	10.0	20.0	E, D
135-98-8	sec-Butylbenzene	88.8	10.0	20.0	D
99-87-6	p-Isopropyltoluene	41.2	10.0	20.0	D
541-73-1	1,3-Dichlorobenzene	ND	10.0	20.0	U
106-46-7	1,4-Dichlorobenzene	ND	10.0	20.0	U
104-51-8	n-Butyl Benzene	259	10.0	20.0	D
95-50-1	1,2-Dichlorobenzene	ND	10.0	20.0	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10.0	20.0	U
120-82-1	1,2,4-Trichlorobenzene	ND	10.0	20.0	U
87-68-3	Hexachlorobutadiene	ND	10.0	20.0	U
87-61-6	1,2,3-Trichlorobenzene	ND	10.0	20.0	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	122%	70-130
Toluene-d8	118%	70-130
Bromofluorobenzene	103%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : D:\M\DATA\DATA15\AUG15\M0824\M17097.D Vial: 8
Acq On : 24 Aug 2015 20:48 Operator: SG
Sample : 1501458-01@20 Inst : GC/MS M
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 12:36 2015 Quant Results File: VM8A0813.RES

Quant Method : D:\M\METHODS\VM8A0813.M (RTE Integrator)
Title : VOA 8260 AQ TCL
Last Update : Thu Aug 13 17:06:41 2015
Response via : Initial Calibration
DataAcq Meth : VM8A0813

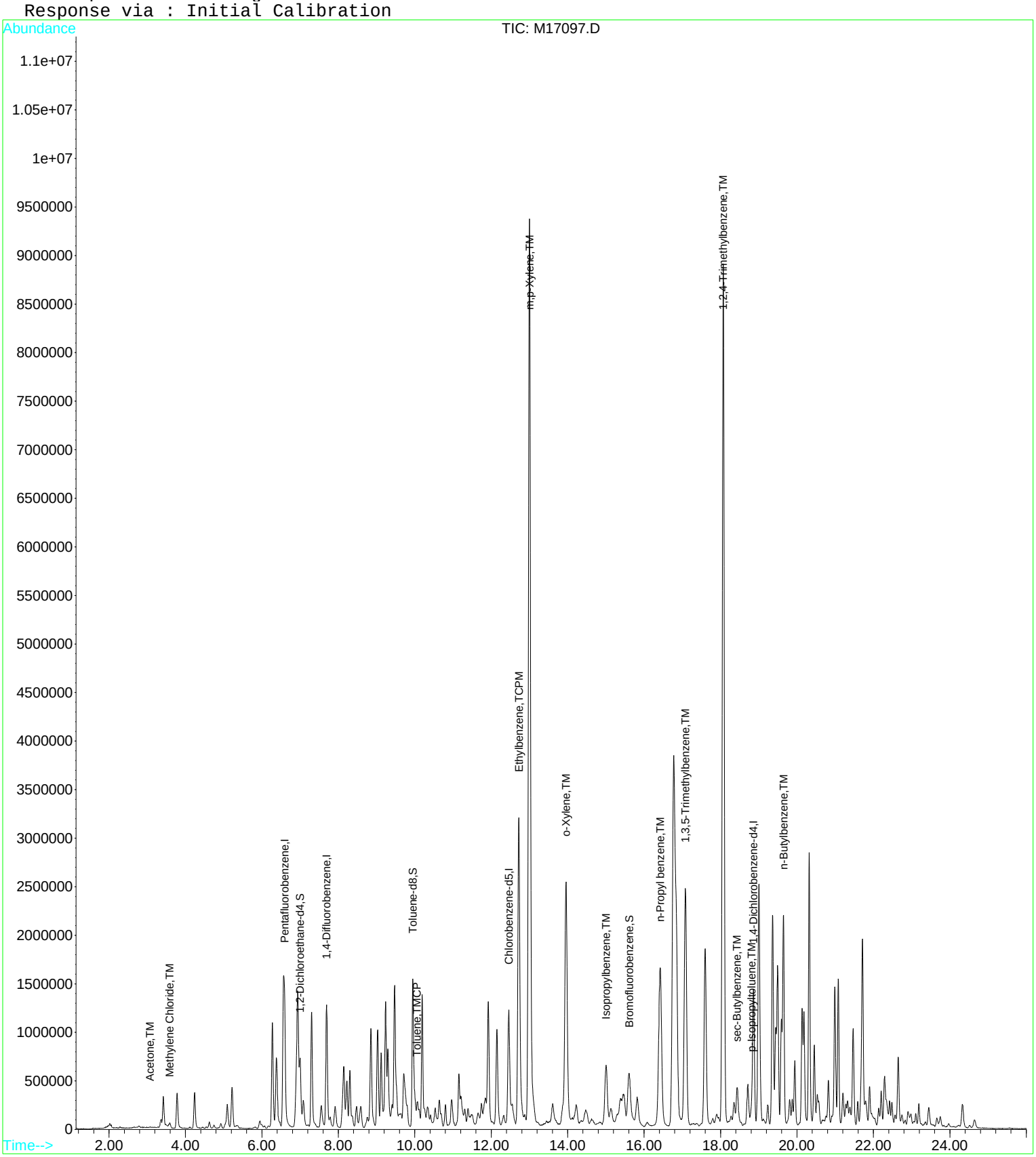
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.60	168	1134902	25.00	ug/l	0.01
27) 1,4-Difluorobenzene	7.69	114	1781764	25.00	ug/l	0.01
47) Chlorobenzene-d5	12.46	117	1558174	25.00	ug/l	0.02
59) 1,4-Dichlorobenzene-d4	18.86	152	875574	25.00	ug/l	0.00
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	7.01	65	457958	30.39	ug/l	0.02
Spiked Amount 25.000	Range 70 - 130		Recovery = 121.56%			
40) Toluene-d8	9.95	98	1702435	29.48	ug/l	0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 117.92%			
46) Bromofluorobenzene	15.61	95	584395	25.87	ug/l	0.03
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.48%			
Target Compounds						Qvalue
4) Acetone	3.07	43	9645	2.99	ug/l	87
15) Methylene Chloride	3.59	49	39646	1.46	ug/l	90
41) Toluene	10.05	91	97722	1.21	ug/l	97
52) Ethylbenzene	12.72	91	5169168	58.80	ug/l	98
55) m,p-Xylene	13.00	91	11584666	178.15	ug/l	99
56) o-Xylene	13.96	91	3866079	60.11	ug/l	100
60) Isopropylbenzene	15.01	105	1272019	14.78	ug/l	96
63) n-Propyl benzene	16.42	91	4221617	42.26	ug/l	98
65) 1,3,5-Trimethylbenzene	17.08	105	3252168	49.89	ug/l	94
69) 1,2,4-Trimethylbenzene	18.07	105	11026048	163.96	ug/l	98
70) sec-Butylbenzene	18.44	105	402490	4.44	ug/l	97
71) p-Isopropyltoluene	18.81	119	181069	2.06	ug/l	98
74) n-Butylbenzene	19.64	91	905088	12.93	ug/l	81

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\M\DATA\DATA15\AUG15\M0824\M17097.D Vial: 8
Acq On : 24 Aug 2015 20:48 Operator: SG
Sample : 1501458-01@20 Inst : GC/MS M
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 22 12:36 2015 Quant Results File: VM8A0813.RES

Method : D:\M\METHODS\VM8A0813.M (RTE Integrator)
Title : VOA 8260 AQ TCL
Last Update : Thu Aug 13 17:06:41 2015
Response via : Initial Calibration



Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01RE1
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/24/15 21:22	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M17098.D
Prep Batch:	B5H2410	Sequence:	S5H2407	Analyzed:	08/24/15 21:22
Dilution:	100			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
107-02-8	Acrolein	ND	600	1000	U
107-13-1	Acrylonitrile	ND	200	1000	U
67-64-1	Acetone	ND	100	100	U
75-71-8	Dichlorodifluoromethane	ND	100	100	U
74-87-3	Chloromethane	ND	100	100	U
75-01-4	Vinyl chloride	ND	100	100	U
74-83-9	Bromomethane	ND	100	100	U
75-00-3	Chloroethane	ND	100	100	U
75-69-4	Trichlorofluoromethane	ND	100	100	U
75-35-4	1,1-Dichloroethene	ND	40.0	100	U
75-15-0	Carbon disulfide	ND	40.0	100	U
75-09-2	Methylene Chloride	ND	40.0	100	U
156-60-5	trans-1,2-Dichloroethene	ND	40.0	100	U
75-34-3	1,1-Dichloroethane	ND	40.0	100	U
108-05-4	Vinyl acetate	ND	40.0	100	U
590-20-7	2,2-Dichloropropane	ND	40.0	100	U
78-93-3	2-Butanone	ND	50.0	100	U
156-59-4	cis-1,2-Dichloroethene	ND	50.0	100	U
67-66-3	Chloroform	ND	50.0	100	U
74-97-5	Bromochloromethane	ND	50.0	100	U
71-55-6	1,1,1-Trichloroethane	ND	50.0	100	U
563-58-6	1,1-Dichloropropene	ND	50.0	100	U
56-23-5	Carbon Tetrachloride	ND	50.0	100	U
107-06-2	1,2-Dichloroethane	ND	50.0	100	U
71-43-2	Benzene	ND	50.0	100	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

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Work Order: 1501458

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Percent Solids:		Prep Method:	EPA 5030B	File ID:	M17098.D
Prep Batch:	B5H2410	Sequence:	S5H2407	Analyzed:	08/24/15 21:22
Dilution:	100			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
79-01-6	Trichloroethene	ND	50.0	100	U
78-87-5	1,2-Dichloropropane	ND	50.0	100	U
75-27-4	Bromodichloromethane	ND	50.0	100	U
74-95-3	Dibromomethane	ND	50.0	100	U
110-75-8	2-Chloroethyl vinyl ether	ND	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene	ND	50.0	100	U
108-88-3	Toluene	ND	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene	ND	50.0	100	U
79-00-5	1,1,2-Trichloroethane	ND	50.0	100	U
108-10-1	4-Methyl-2-pentanone	ND	50.0	100	U
106-93-4	1,2-Dibromoethane	ND	50.0	100	U
591-78-6	2-Hexanone	ND	50.0	100	U
142-28-9	1,3-Dichloropropane	ND	50.0	100	U
127-18-4	Tetrachloroethene	ND	50.0	100	U
124-48-1	Dibromochloromethane	ND	50.0	100	U
100-41-4	Ethylbenzene	1200	50.0	100	D
108-90-7	Chlorobenzene	ND	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	50.0	100	U
108-38-3/106-42	m,p-Xylenes	3650	100	200	D
95-47-6	o-Xylene	1180	100	200	D
100-42-5	Styrene	ND	100	200	U
75-25-2	Bromoform	ND	50.0	100	U
98-82-8	Isopropylbenzene	245	50.0	100	D
79-34-5	1,1,2,2-Tetrachloroethane	ND	50.0	100	U
96-18-4	1,2,3-Trichloropropane	ND	50.0	100	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: TMW-1
Lab Sample ID: 1501458-01RE1
Project: 255 East 138th Street
Work Order: 1501458

Date Sampled:	08/20/15 09:55	Prep Date:	08/24/15 21:22	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M17098.D
Prep Batch:	B5H2410	Sequence:	S5H2407	Analyzed:	08/24/15 21:22
Dilution:	100			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
103-65-1	n-Propyl Benzene	676	50.0	100	D
108-86-1	Bromobenzene	ND	50.0	100	U
108-67-8	1,3,5-Trimethylbenzene	787	50.0	100	D
95-49-8	2-Chlorotoluene	ND	50.0	100	U
106-43-4	4-Chlorotoluene	ND	50.0	100	U
98-06-6	tert-Butylbenzene	ND	50.0	100	U
95-63-6	1,2,4-Trimethylbenzene	2850	50.0	100	D
135-98-8	sec-Butylbenzene	ND	50.0	100	U
99-87-6	p-Isopropyltoluene	ND	50.0	100	U
541-73-1	1,3-Dichlorobenzene	ND	50.0	100	U
106-46-7	1,4-Dichlorobenzene	ND	50.0	100	U
104-51-8	n-Butyl Benzene	ND	50.0	100	U
95-50-1	1,2-Dichlorobenzene	ND	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50.0	100	U
120-82-1	1,2,4-Trichlorobenzene	ND	50.0	100	U
87-68-3	Hexachlorobutadiene	ND	50.0	100	U
87-61-6	1,2,3-Trichlorobenzene	ND	50.0	100	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	118%	70-130
Toluene-d8	116%	70-130
Bromofluorobenzene	101%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : D:\M\DATA\DATA15\AUG15\M0824\M17098.D Vial: 9
Acq On : 24 Aug 2015 21:22 Operator: SG
Sample : 1501458-01RE1@100 Inst : GC/MS M
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 15:59 2015 Quant Results File: VM8A0813.RES

Quant Method : D:\M\METHODS\VM8A0813.M (RTE Integrator)
Title : VOA 8260 AQ TCL
Last Update : Thu Aug 13 17:06:41 2015
Response via : Initial Calibration
DataAcq Meth : VM8A0813

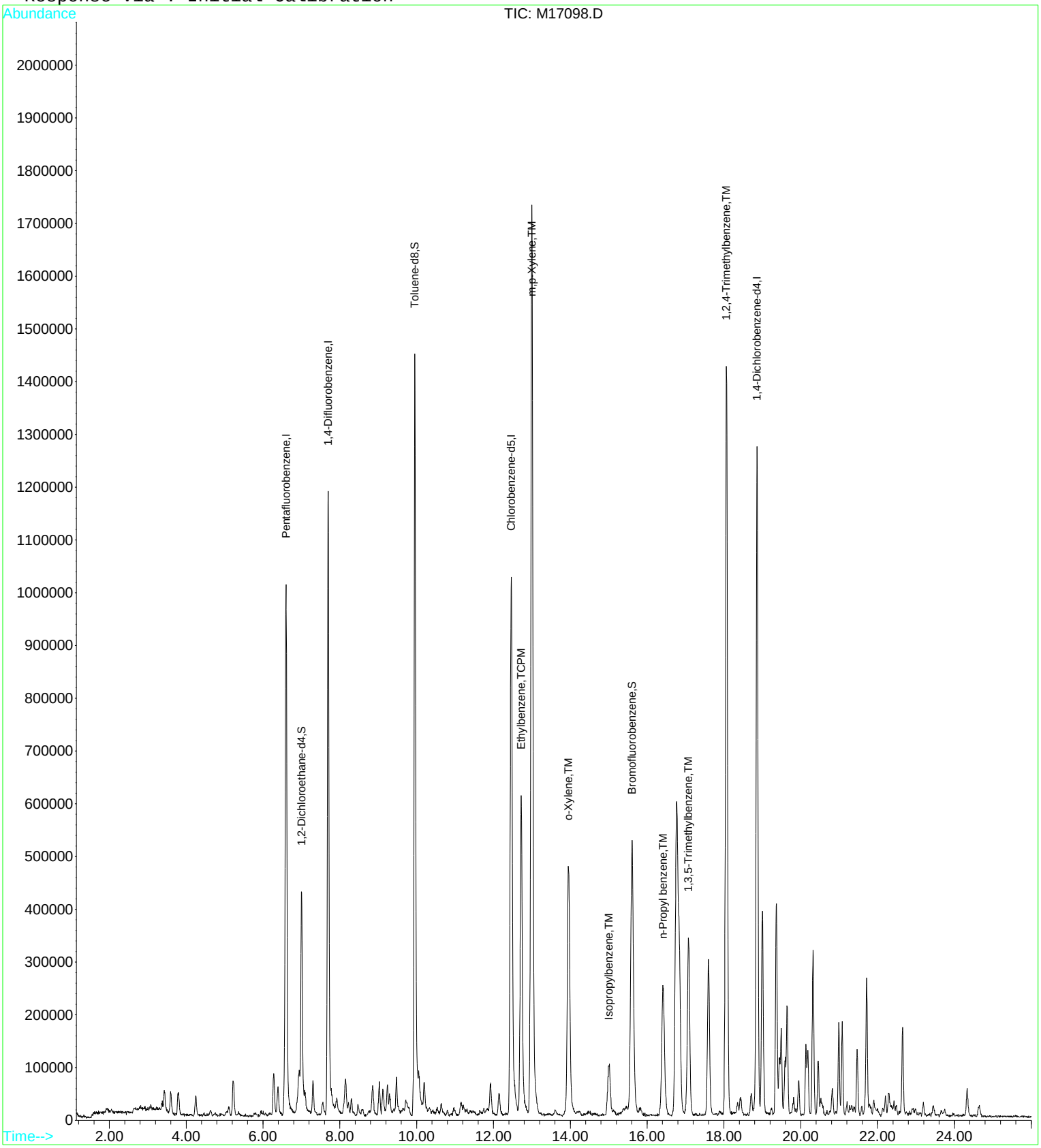
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.60	168	1076593	25.00	ug/l	0.01
27) 1,4-Difluorobenzene	7.70	114	1716367	25.00	ug/l	0.02
47) Chlorobenzene-d5	12.46	117	1502636	25.00	ug/l	0.02
59) 1,4-Dichlorobenzene-d4	18.86	152	821905	25.00	ug/l	0.00
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	7.00	65	427562	29.46	ug/l	0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 117.84%			
40) Toluene-d8	9.95	98	1615589	29.04	ug/l	0.01
Spiked Amount 25.000	Range 70 - 130		Recovery = 116.16%			
46) Bromofluorobenzene	15.61	95	550623	25.30	ug/l	0.03
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.20%			
Target Compounds						Qvalue
52) Ethylbenzene	12.72	91	1013096	11.95	ug/l	96
55) m,p-Xylene	13.00	91	2286790	36.47	ug/l	98
56) o-Xylene	13.95	91	732411	11.81	ug/l	98
60) Isopropylbenzene	15.01	105	197605	2.45	ug/l	93
63) n-Propyl benzene	16.40	91	633506	6.76	ug/l	98
65) 1,3,5-Trimethylbenzene	17.08	105	481394	7.87	ug/l	96
69) 1,2,4-Trimethylbenzene	18.06	105	1796315	28.46	ug/l	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\M\DATA\DATA15\AUG15\M0824\M17098.D Vial: 9
Acq On : 24 Aug 2015 21:22 Operator: SG
Sample : 1501458-01RE1@100 Inst : GC/MS M
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 15:59 2015 Quant Results File: VM8A0813.RES

Method : D:\M\METHODS\VM8A0813.M (RTE Integrator)
Title : VOA 8260 AQ TCL
Last Update : Thu Aug 13 17:06:41 2015
Response via : Initial Calibration



Accredited Analytical Resources, LLC.

VOLATILES QC DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Matrix:	Aqueous	Laboratory ID:	B5H2410-BLK1	File ID:	M17091.D
Batch:	B5H2410	Prepared:	08/24/15 17:30	Analyzed:	08/24/15 17:30
Column:	1	Preparation:	EPA 5030B	Dilution:	
		Sequence:	S5H2407	Instrument:	GC/MS M

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	ND	1.00	1.00	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	U
74-87-3	Chloromethane	ND	1.00	1.00	U
75-01-4	Vinyl chloride	ND	1.00	1.00	U
74-83-9	Bromomethane	ND	1.00	1.00	U
75-00-3	Chloroethane	ND	1.00	1.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	U
75-15-0	Carbon disulfide	ND	0.400	1.00	U
75-09-2	Methylene Chloride	1.05	0.400	1.00	
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	U
108-05-4	Vinyl acetate	ND	0.400	1.00	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	U
78-93-3	2-Butanone	ND	0.500	1.00	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	U
67-66-3	Chloroform	ND	0.500	1.00	U
74-97-5	Bromochloromethane	ND	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Matrix:	Aqueous	Laboratory ID:	B5H2410-BLK1	File ID:	M17091.D
Batch:	B5H2410	Prepared:	08/24/15 17:30	Analyzed:	08/24/15 17:30
Column:	1	Preparation:	EPA 5030B	Dilution:	
		Sequence:	S5H2407	Instrument:	GC/MS M

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
71-43-2	Benzene	ND	0.500	1.00	U
79-01-6	Trichloroethene	ND	0.500	1.00	U
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	U
75-27-4	Bromodichloromethane	ND	0.500	1.00	U
74-95-3	Dibromomethane	ND	0.500	1.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	U
108-88-3	Toluene	ND	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	U
591-78-6	2-Hexanone	ND	0.500	1.00	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	U
100-41-4	Ethylbenzene	ND	0.500	1.00	U
108-90-7	Chlorobenzene	ND	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	U
108-38-3/106-42-3	m,p-Xylenes	ND	1.00	2.00	U
95-47-6	o-Xylene	ND	1.00	2.00	U
100-42-5	Styrene	ND	1.00	2.00	U
75-25-2	Bromoform	ND	0.500	1.00	U
98-82-8	Isopropylbenzene	ND	0.500	1.00	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

Blank

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Matrix:	Aqueous	Laboratory ID:	B5H2410-BLK1	File ID:	M17091.D
Batch:	B5H2410	Prepared:	08/24/15 17:30	Analyzed:	08/24/15 17:30
Column:	1	Preparation:	EPA 5030B	Dilution:	
		Sequence:	S5H2407	Instrument:	GC/MS M

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	U
103-65-1	n-Propyl Benzene	ND	0.500	1.00	U
108-86-1	Bromobenzene	ND	0.500	1.00	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	U
98-06-6	tert-Butylbenzene	ND	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	U
135-98-8	sec-Butylbenzene	ND	0.500	1.00	U
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	U
91-20-3	Naphthalene	ND	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	100%	70-130
Toluene-d8	119%	70-130
Bromofluorobenzene	92%	70-130

Accredited Analytical Resources, LLC.

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Quantitation Report (QT Reviewed)

Data File : D:\M\DATA\DATA15\AUG15\M0824\M17091.D Vial: 13
Acq On : 24 Aug 2015 17:30 Operator: SG
Sample : B5H2410-BLK1 Inst : GC/MS M
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 16:39 2015 Quant Results File: VM8A0813.RES

Quant Method : D:\M\METHODS\VM8A0813.M (RTE Integrator)
Title : VOA 8260 AQ TCL
Last Update : Thu Aug 13 17:06:41 2015
Response via : Initial Calibration
DataAcq Meth : VM8A0813

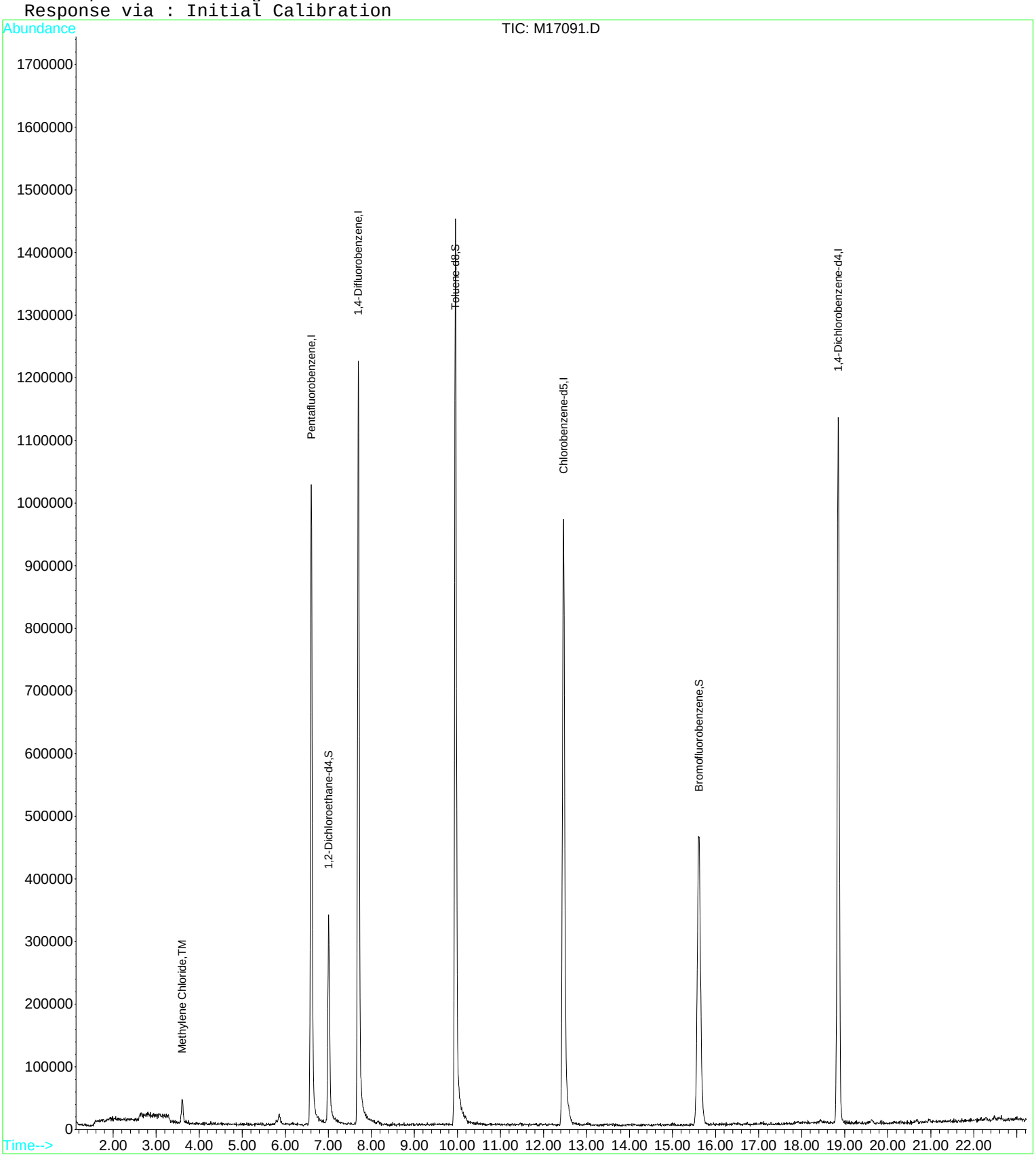
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.60	168	1139699	25.00	ug/l	0.02
27) 1,4-Difluorobenzene	7.70	114	1731541	25.00	ug/l	0.02
47) Chlorobenzene-d5	12.46	117	1461038	25.00	ug/l	0.02
59) 1,4-Dichlorobenzene-d4	18.85	152	752006	25.00	ug/l	0.00
System Monitoring Compounds						
28) 1,2-Dichloroethane-d4	7.01	65	366494	25.03	ug/l	0.02
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.12%			
40) Toluene-d8	9.95	98	1666940	29.71	ug/l	0.02
Spiked Amount 25.000	Range 70 - 130		Recovery = 118.84%			
46) Bromofluorobenzene	15.61	95	503091	22.91	ug/l	0.03
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.64%			
Target Compounds						Qvalue
15) Methylene Chloride	3.60	49	31569m	1.05	ug/l	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\M\DATA\DATA15\AUG15\M0824\M17091.D Vial: 13
Acq On : 24 Aug 2015 17:30 Operator: SG
Sample : B5H2410-BLK1 Inst : GC/MS M
Misc : WATER Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 25 16:39 2015 Quant Results File: VM8A0813.RES

Method : D:\M\METHODS\VM8A0813.M (RTE Integrator)
Title : VOA 8260 AQ TCL
Last Update : Thu Aug 13 17:06:41 2015
Response via : Initial Calibration



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VOLATILES QC SUMMARY

Accredited Analytical Resources, LLC.

SYSTEM MONITORING COMPOUND SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix: Aqueous
Instrument: GC/MS M

Lab Sample ID:	1,2-DCE-d4 (70% - 130%)	BFB (70% - 130%)	TOL-d8 (70% - 130%)
1501458-01	122	103	118
1501458-01RE1	118	101	116
B5H2410-BLK1	100	92	119
B5H2410-BS1	109	115	115
B5H2410-MS1	113	118	114
B5H2410-MSD1	118	121	118

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Analysis Method:	EPA 8260
Prep Batch:	B5H2410	Prep Method:	EPA 5030B
Percent Solids:		Laboratory ID:	B5H2410-MS1
		Client Sample ID:	1501444-02

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
Acrolein	125	ND	138	110	40 - 160
Acrylonitrile	125	ND	156	125	70 - 130
Acetone	25.0	ND	34.1	136	40 - 160
Dichlorodifluoromethane	25.0	ND	16.1	64	40 - 160
Chloromethane	25.0	ND	22.2	89	40 - 160
Vinyl chloride	25.0	ND	26.2	105	70 - 130
Bromomethane	25.0	ND	24.6	99	40 - 160
Chloroethane	25.0	ND	27.7	111	40 - 160
Trichlorofluoromethane	25.0	ND	25.8	103	40 - 160
Freon 113	25.0	ND	25.4	102	70 - 130
1,1-Dichloroethene	25.0	ND	24.7	99	70 - 130
Carbon disulfide	25.0	ND	22.2	89	70 - 130
Methyl Acetate	25.0	ND	30.5	122	70 - 130
Methylene Chloride	25.0	1.91	29.1	109	70 - 130
trans-1,2-Dichloroethene	25.0	ND	25.8	103	70 - 130
1,1-Dichloroethane	25.0	ND	27.0	108	70 - 130
2,2-Dichloropropane	25.0	ND	23.4	94	70 - 130
2-Butanone	25.0	ND	32.0	128	40 - 160
cis-1,2-Dichloroethene	25.0	12.5	42.0	118	70 - 130
Chloroform	25.0	ND	26.8	107	70 - 130
Bromochloromethane	25.0	ND	28.8	115	70 - 130
Cyclohexane	25.0	ND	27.8	111	70 - 130
1,1,1-Trichloroethane	25.0	ND	27.3	109	70 - 130
t-Butyl alcohol	250	ND	332	133	40 - 160
1,1-Dichloropropene	25.0	ND	23.2	93	70 - 130
Carbon Tetrachloride	25.0	ND	23.6	94	70 - 130

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Analysis Method:	EPA 8260
Prep Batch:	B5H2410	Prep Method:	EPA 5030B
Percent Solids:		Laboratory ID:	B5H2410-MS1
		Client Sample ID:	1501444-02

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
1,2-Dichloroethane	25.0	ND	26.5	106	70 - 130
Benzene	25.0	ND	24.5	98	70 - 130
Trichloroethene	25.0	2.01	27.2	101	70 - 130
Methylcyclohexane	25.0	ND	25.7	103	70 - 130
1,2-Dichloropropane	25.0	ND	27.1	108	70 - 130
Bromodichloromethane	25.0	ND	25.6	103	70 - 130
Dibromomethane	25.0	ND	26.8	107	70 - 130
2-Chloroethyl vinyl ether	25.0	ND	28.8	115	70 - 130
cis-1,3-Dichloropropene	25.0	ND	25.7	103	70 - 130
Toluene	25.0	ND	25.8	103	70 - 130
trans-1,3-Dichloropropene	25.0	ND	27.0	108	70 - 130
1,1,2-Trichloroethane	25.0	ND	29.3	117	70 - 130
4-Methyl-2-pentanone	25.0	ND	29.3	117	40 - 160
1,2-Dibromoethane	25.0	ND	28.0	112	70 - 130
2-Hexanone	25.0	ND	29.0	116	40 - 160
1,3-Dichloropropane	25.0	ND	25.8	103	70 - 130
Tetrachloroethene	25.0	4.74	28.1	93	70 - 130
Dibromochloromethane	25.0	ND	25.6	102	70 - 130
Ethylbenzene	25.0	ND	25.1	100	70 - 130
Chlorobenzene	25.0	ND	26.2	105	70 - 130
1,1,1,2-Tetrachloroethane	25.0	ND	26.4	105	70 - 130
m,p-Xylenes	50.0	ND	50.0	100	70 - 130
o-Xylene	50.0	ND	51.6	103	70 - 130
Styrene	50.0	ND	54.1	108	70 - 130
Bromoform	25.0	ND	26.4	106	70 - 130
Isopropylbenzene	25.0	ND	25.1	100	70 - 130

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MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Analysis Method:	EPA 8260
Prep Batch:	B5H2410	Prep Method:	EPA 5030B
Percent Solids:		Laboratory ID:	B5H2410-MS1
		Client Sample ID:	1501444-02

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	QC LIMITS REC.
1,1,2,2-Tetrachloroethane	25.0	ND	25.9	104	70 - 130
1,2,3-Trichloropropane	25.0	ND	26.4	106	70 - 130
n-Propyl Benzene	25.0	ND	24.8	99	70 - 130
Bromobenzene	25.0	ND	24.9	99	70 - 130
1,3,5-Trimethylbenzene	25.0	ND	25.7	103	70 - 130
2-Chlorotoluene	25.0	ND	24.7	99	70 - 130
4-Chlorotoluene	25.0	ND	25.3	101	70 - 130
tert-Butylbenzene	25.0	ND	25.5	102	70 - 130
1,2,4-Trimethylbenzene	25.0	ND	25.6	103	70 - 130
sec-Butylbenzene	25.0	ND	25.9	103	70 - 130
p-Isopropyltoluene	25.0	ND	26.0	104	70 - 130
1,3-Dichlorobenzene	25.0	ND	25.7	103	70 - 130
1,4-Dichlorobenzene	25.0	ND	25.4	102	70 - 130
n-Butyl Benzene	25.0	ND	25.5	102	70 - 130
1,2-Dichlorobenzene	25.0	1.59	27.4	103	70 - 130
1,2-Dibromo-3-chloropropane	25.0	ND	24.8	99	40 - 160
1,2,4-Trichlorobenzene	25.0	ND	27.4	110	70 - 130
Hexachlorobutadiene	25.0	ND	26.6	106	70 - 130
Naphthalene	25.0	ND	29.0	116	40 - 160
1,2,3-Trichlorobenzene	25.0	ND	28.4	114	70 - 130
Methyl tert-Butyl Ether	50.0	ND	47.7	95	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Analysis Method:	EPA 8260
Prep Batch:	B5H2410	Prep Method:	EPA 5030B
Percent Solids:		Laboratory ID:	B5H2410-MSD1
		Client Sample ID:	1501444-02

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Acrolein	125	145	116	5	20	40 - 160
Acrylonitrile	125	160	128	2	20	70 - 130
Acetone	25.0	36.9	147	8	20	40 - 160
Dichlorodifluoromethane	25.0	17.8	71	10	20	40 - 160
Chloromethane	25.0	22.8	91	3	20	40 - 160
Vinyl chloride	25.0	27.5	110	5	20	70 - 130
Bromomethane	25.0	28.9	116	16	20	40 - 160
Chloroethane	25.0	29.4	118	6	20	40 - 160
Trichlorofluoromethane	25.0	27.8	111	7	20	40 - 160
Freon 113	25.0	26.8	107	5	20	70 - 130
1,1-Dichloroethene	25.0	24.9	99	0.6	20	70 - 130
Carbon disulfide	25.0	22.8	91	2	20	70 - 130
Methyl Acetate	25.0	29.7	119	2	20	70 - 130
Methylene Chloride	25.0	30.8	116	6	20	70 - 130
trans-1,2-Dichloroethene	25.0	26.2	105	1	20	70 - 130
1,1-Dichloroethane	25.0	28.6	114	6	20	70 - 130
2,2-Dichloropropane	25.0	23.5	94	0.3	20	70 - 130
2-Butanone	25.0	30.6	122	5	20	40 - 160
cis-1,2-Dichloroethene	25.0	43.3	123	3	20	70 - 130
Chloroform	25.0	26.7	107	0.4	20	70 - 130
Bromochloromethane	25.0	29.2	117	1	20	70 - 130
Cyclohexane	25.0	28.7	115	3	20	70 - 130
1,1,1-Trichloroethane	25.0	27.8	111	2	20	70 - 130
t-Butyl alcohol	250	328	131	1	20	40 - 160
1,1-Dichloropropene	25.0	23.6	95	2	20	70 - 130
Carbon Tetrachloride	25.0	24.5	98	4	20	70 - 130
1,2-Dichloroethane	25.0	26.7	107	0.8	20	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Analysis Method:	EPA 8260
Prep Batch:	B5H2410	Prep Method:	EPA 5030B
Percent Solids:		Laboratory ID:	B5H2410-MSD1
		Client Sample ID:	1501444-02

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
Benzene	25.0	25.4	101	4	20	70 - 130
Trichloroethene	25.0	28.3	105	4	20	70 - 130
Methylcyclohexane	25.0	26.9	108	5	20	70 - 130
1,2-Dichloropropane	25.0	27.9	112	3	20	70 - 130
Bromodichloromethane	25.0	27.2	109	6	20	70 - 130
Dibromomethane	25.0	28.2	113	5	20	70 - 130
2-Chloroethyl vinyl ether	25.0	28.6	115	0.7	20	70 - 130
cis-1,3-Dichloropropene	25.0	26.6	106	3	20	70 - 130
Toluene	25.0	26.5	106	3	20	70 - 130
trans-1,3-Dichloropropene	25.0	27.0	108	0.2	20	70 - 130
1,1,2-Trichloroethane	25.0	28.3	113	3	20	70 - 130
4-Methyl-2-pentanone	25.0	30.4	122	4	20	40 - 160
1,2-Dibromoethane	25.0	28.8	115	3	20	70 - 130
2-Hexanone	25.0	27.5	110	5	20	40 - 160
1,3-Dichloropropane	25.0	26.0	104	0.8	20	70 - 130
Tetrachloroethene	25.0	28.5	95	1	20	70 - 130
Dibromochloromethane	25.0	26.9	107	5	20	70 - 130
Ethylbenzene	25.0	25.4	101	1	20	70 - 130
Chlorobenzene	25.0	26.6	106	1	20	70 - 130
1,1,1,2-Tetrachloroethane	25.0	26.3	105	0.1	20	70 - 130
m,p-Xylenes	50.0	50.7	101	1	20	70 - 130
o-Xylene	50.0	51.6	103	0.08	20	70 - 130
Styrene	50.0	53.8	108	0.6	20	70 - 130
Bromoform	25.0	26.2	105	0.7	20	70 - 130
Isopropylbenzene	25.0	26.3	105	5	20	70 - 130
1,1,2,2-Tetrachloroethane	25.0	26.8	107	4	20	70 - 130
1,2,3-Trichloropropane	25.0	27.3	109	3	20	70 - 130

Accredited Analytical Resources, LLC.

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Matrix Spike Dup

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Analysis Method:	EPA 8260
Prep Batch:	B5H2410	Prep Method:	EPA 5030B
Percent Solids:		Laboratory ID:	B5H2410-MSD1
		Client Sample ID:	1501444-02

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	QC LIMITS RPD	QC LIMITS REC.
n-Propyl Benzene	25.0	26.0	104	5	20	70 - 130
Bromobenzene	25.0	25.5	102	3	20	70 - 130
1,3,5-Trimethylbenzene	25.0	26.6	106	4	20	70 - 130
2-Chlorotoluene	25.0	25.2	101	2	20	70 - 130
4-Chlorotoluene	25.0	26.2	105	3	20	70 - 130
tert-Butylbenzene	25.0	26.7	107	5	20	70 - 130
1,2,4-Trimethylbenzene	25.0	26.3	105	3	20	70 - 130
sec-Butylbenzene	25.0	27.0	108	4	20	70 - 130
p-Isopropyltoluene	25.0	27.1	108	4	20	70 - 130
1,3-Dichlorobenzene	25.0	26.0	104	1	20	70 - 130
1,4-Dichlorobenzene	25.0	25.9	103	2	20	70 - 130
n-Butyl Benzene	25.0	26.3	105	3	20	70 - 130
1,2-Dichlorobenzene	25.0	27.5	104	0.3	20	70 - 130
1,2-Dibromo-3-chloropropane	25.0	27.5	110	11	20	40 - 160
1,2,4-Trichlorobenzene	25.0	26.0	104	5	20	70 - 130
Hexachlorobutadiene	25.0	26.1	104	2	20	70 - 130
Naphthalene	25.0	29.2	117	0.7	20	40 - 160
1,2,3-Trichlorobenzene	25.0	25.6	102	10	20	70 - 130
Methyl tert-Butyl Ether	50.0	48.2	96	1	20	70 - 130

* Values outside of QC limits

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Prep Method:	EPA 5030B
Prep Batch:	B5H2410	Lab Sample ID:	B5H2410-BS1

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acrolein	125	142	114	40 - 160
Acrylonitrile	125	143	115	70 - 130
Acetone	25.0	24.6	98	40 - 160
Dichlorodifluoromethane	25.0	19.5	78	40 - 160
Chloromethane	25.0	24.6	99	40 - 160
Vinyl chloride	25.0	28.6	114	70 - 130
Bromomethane	25.0	28.2	113	40 - 160
Chloroethane	25.0	31.2	125	40 - 160
Trichlorofluoromethane	25.0	28.8	115	40 - 160
Freon 113	25.0	26.5	106	70 - 130
1,1-Dichloroethene	25.0	25.1	100	70 - 130
Carbon disulfide	25.0	23.1	92	70 - 130
Methyl Acetate	25.0	28.2	113	70 - 130
Methylene Chloride	25.0	28.5	114	70 - 130
trans-1,2-Dichloroethene	25.0	26.6	107	70 - 130
1,1-Dichloroethane	25.0	28.2	113	70 - 130
2,2-Dichloropropane	25.0	25.9	104	70 - 130
2-Butanone	25.0	27.8	111	40 - 160
cis-1,2-Dichloroethene	25.0	28.2	113	70 - 130
Chloroform	25.0	27.0	108	70 - 130
Bromochloromethane	25.0	28.3	113	70 - 130
Cyclohexane	25.0	28.1	112	70 - 130
1,1,1-Trichloroethane	25.0	27.4	110	70 - 130
t-Butyl alcohol	250	289	116	40 - 160
1,1-Dichloropropene	25.0	23.7	95	70 - 130
Carbon Tetrachloride	25.0	24.4	98	70 - 130
1,2-Dichloroethane	25.0	25.0	100	70 - 130
Benzene	25.0	25.0	100	70 - 130

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Prep Method:	EPA 5030B
Prep Batch:	B5H2410	Lab Sample ID:	B5H2410-BS1

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Trichloroethene	25.0	24.9	100	70 - 130
Methylcyclohexane	25.0	25.8	103	70 - 130
1,2-Dichloropropane	25.0	27.2	109	70 - 130
Bromodichloromethane	25.0	25.6	102	70 - 130
Dibromomethane	25.0	25.3	101	70 - 130
2-Chloroethyl vinyl ether	25.0	26.1	104	70 - 130
cis-1,3-Dichloropropene	25.0	25.4	102	70 - 130
Toluene	25.0	27.0	108	70 - 130
trans-1,3-Dichloropropene	25.0	25.4	102	70 - 130
1,1,2-Trichloroethane	25.0	26.2	105	70 - 130
4-Methyl-2-pentanone	25.0	26.9	107	40 - 160
1,2-Dibromoethane	25.0	26.0	104	70 - 130
2-Hexanone	25.0	24.0	96	40 - 160
1,3-Dichloropropane	25.0	24.1	96	70 - 130
Tetrachloroethene	25.0	23.8	95	70 - 130
Dibromochloromethane	25.0	25.1	100	70 - 130
Ethylbenzene	25.0	25.5	102	70 - 130
Chlorobenzene	25.0	26.2	105	70 - 130
1,1,1,2-Tetrachloroethane	25.0	25.4	102	70 - 130
m,p-Xylenes	50.0	50.6	101	70 - 130
o-Xylene	50.0	51.9	104	70 - 130
Styrene	50.0	53.6	107	70 - 130
Bromoform	25.0	24.1	96	70 - 130
Isopropylbenzene	25.0	26.3	105	70 - 130
1,1,2,2-Tetrachloroethane	25.0	24.4	97	70 - 130
1,2,3-Trichloropropane	25.0	25.2	101	70 - 130
n-Propyl Benzene	25.0	25.7	103	70 - 130
Bromobenzene	25.0	24.9	100	70 - 130

Accredited Analytical Resources, LLC.

LCS / LCS DUPLICATE RECOVERY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Project: 255 East 138th Street
Work Order: 1501458

Matrix:	Aqueous	Prep Method:	EPA 5030B
Prep Batch:	B5H2410	Lab Sample ID:	B5H2410-BS1

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	25.0	26.9	108	70 - 130
2-Chlorotoluene	25.0	25.6	103	70 - 130
4-Chlorotoluene	25.0	25.7	103	70 - 130
tert-Butylbenzene	25.0	26.8	107	70 - 130
1,2,4-Trimethylbenzene	25.0	26.2	105	70 - 130
sec-Butylbenzene	25.0	27.0	108	70 - 130
p-Isopropyltoluene	25.0	27.0	108	70 - 130
1,3-Dichlorobenzene	25.0	26.0	104	70 - 130
1,4-Dichlorobenzene	25.0	25.1	101	70 - 130
n-Butyl Benzene	25.0	26.4	105	70 - 130
1,2-Dichlorobenzene	25.0	25.1	100	70 - 130
1,2-Dibromo-3-chloropropane	25.0	21.4	86	40 - 160
1,2,4-Trichlorobenzene	25.0	24.6	98	70 - 130
Hexachlorobutadiene	25.0	26.3	105	70 - 130
Naphthalene	25.0	23.7	95	40 - 160
1,2,3-Trichlorobenzene	25.0	24.5	98	70 - 130
Methyl tert-Butyl Ether	50.0	46.1	92	70 - 130

* Values outside of QC limits

Accredited Analytical Resources, LLC.

METHOD BLANK SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Blank ID:	B5H2410-BLK1	Batch:	B5H2410

Client Sample ID	Laboratory Sample ID	Lab File ID	Analysis Date/Time
LCS	B5H2410-BS1	M17092.D	08/24/2015 18:01
TMW-1	1501458-01	M17097.D	08/24/2015 20:48
TMW-1	1501458-01RE1	M17098.D	08/24/2015 21:22
MW 107 RRMS	B5H2410-MS1	M17099.D	08/24/2015 21:55
MW 107 RRMSD	B5H2410-MSD1	M17100.D	08/24/2015 22:28

Accredited Analytical Resources, LLC.

INSTRUMENT PERFORMANCE CHECK

EPA 8260

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1501458
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street
Lab File ID:	M16949.D	Injection Date:	08/13/15
Instrument ID:	GC/MS M	Injection Time:	12:14
Sequence:	S5H1404	Lab Sample ID:	S5H1404-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	15.9	PASS
75	30 - 60% of 95	52.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.45	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	96.6	PASS
175	5 - 9% of 174	6.69	PASS
176	95 - 101% of 174	97.8	PASS
177	5 - 9% of 176	6.1	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
1 ppb 8260	S5H1404-CAL1	M16950.D	08/13/2015	13:06:00
5 ppb 8260	S5H1404-CAL2	M16951.D	08/13/2015	13:40:00
10 ppb 8260	S5H1404-CAL3	M16952.D	08/13/2015	14:14:00
25 ppb 8260	S5H1404-CAL4	M16953.D	08/13/2015	14:47:00
50 ppb 8260	S5H1404-CAL5	M16954.D	08/13/2015	15:21:00
100 ppb 8260	S5H1404-CAL6	M16955.D	08/13/2015	15:54:00

Accredited Analytical Resources, LLC.

INSTRUMENT PERFORMANCE CHECK

EPA 8260

Laboratory:	Accredited Analytical Resources LLC	Work Order:	1501458
Client:	BRINKERHOFF ENVIRONMENTAL	Project:	255 East 138th Street
Lab File ID:	M17088.D	Injection Date:	08/24/15
Instrument ID:	GC/MS M	Injection Time:	15:01
Sequence:	S5H2407	Lab Sample ID:	S5H2407-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	PASS/FAIL
50	15 - 40% of 95	15.9	PASS
75	30 - 60% of 95	51.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.52	PASS
173	Less than 2% of 174	0.566	PASS
174	50 - 100% of 95	85.2	PASS
175	5 - 9% of 174	6.92	PASS
176	95 - 101% of 174	98.8	PASS
177	5 - 9% of 176	6.62	PASS

Samples Associated with Tune

Client ID	Sample ID	File ID	Date Analyzed	Time Analyzed
Calibration Check	S5H2407-CCV1	M17089.D	08/24/2015	15:54:00
VBLK01	B5H2410-BLK1	M17091.D	08/24/2015	17:30:00
LCS	B5H2410-BS1	M17092.D	08/24/2015	18:01:00
TMW-1	1501458-01	M17097.D	08/24/2015	20:48:00
TMW-1	1501458-01RE1	M17098.D	08/24/2015	21:22:00
MW 107 RRMS	B5H2410-MS1	M17099.D	08/24/2015	21:55:00
MW 107 RRMSD	B5H2410-MSD1	M17100.D	08/24/2015	22:28:00

Accredited Analytical Resources, LLC.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Sequence: S5H2407 Instrument: GC/MS M
Calibration: 15H2701

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S5H2407-CCV1)			*Lab File ID: M17089.D*			*Analyzed: 08/24/15 15:54*			
Pentafluorobenzene	952158	6.59	1139833	6.59	84	50 - 200	0.0000	+/-0.50	
1,4-Difluorobenzene	1630432	7.69	1680925	7.68	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1573479	12.46	1579339	12.45	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	928526	18.87	917707	18.85	101	50 - 200	0.0200	+/-0.50	
Blank (B5H2410-BLK1)			*Lab File ID: M17091.D*			*Analyzed: 08/24/15 17:30*			
Pentafluorobenzene	1139699	6.6	952158	6.59	120	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	1731541	7.7	1630432	7.69	106	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1461038	12.46	1573479	12.46	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	752006	18.85	928526	18.87	81	50 - 200	-0.0200	+/-0.50	
LCS (B5H2410-BS1)			*Lab File ID: M17092.D*			*Analyzed: 08/24/15 18:01*			
Pentafluorobenzene	915613	6.6	952158	6.59	96	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	1572212	7.7	1630432	7.69	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1529449	12.47	1573479	12.46	97	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	877319	18.87	928526	18.87	94	50 - 200	0.0000	+/-0.50	
TMW-1 (1501458-01)			*Lab File ID: M17097.D*			*Analyzed: 08/24/15 20:48*			
Pentafluorobenzene	1134902	6.6	952158	6.59	119	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	1781764	7.69	1630432	7.69	109	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1558174	12.46	1573479	12.46	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	875574	18.86	928526	18.87	94	50 - 200	-0.0100	+/-0.50	
TMW-1 (1501458-01RE1)			*Lab File ID: M17098.D*			*Analyzed: 08/24/15 21:22*			
Pentafluorobenzene	1076593	6.6	952158	6.59	113	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	1716367	7.7	1630432	7.69	105	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1502636	12.46	1573479	12.46	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	821905	18.86	928526	18.87	89	50 - 200	-0.0100	+/-0.50	

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Sequence: S5H2407 Instrument: GC/MS M
Calibration: 15H2701

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (B5H2410-MS1)			*Lab File ID: M17099.D*			*Analyzed: 08/24/15 21:55*			
Pentafluorobenzene	936862	6.6	952158	6.59	98	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	1580429	7.7	1630432	7.69	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1553656	12.46	1573479	12.46	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	918945	18.87	928526	18.87	99	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (B5H2410-MSD1)			*Lab File ID: M17100.D*			*Analyzed: 08/24/15 22:28*			
Pentafluorobenzene	882606	6.6	952158	6.59	93	50 - 200	0.0100	+/-0.50	
1,4-Difluorobenzene	1476837	7.7	1630432	7.69	91	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1491073	12.46	1573479	12.46	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	859594	18.86	928526	18.87	93	50 - 200	-0.0100	+/-0.50	

* Values outside of QC limits

Accredited Analytical Resources, LLC.

VOLATILES CALIBRATION DATA

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration: 15H2701 Instrument: GC/MS M

Calibration Date: 8/13/2015 12:43:35PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Acrolein	5	1.418376E-02	25	1.361939E-02	50	1.359103E-02	125	1.183644E-02	250	1.105567E-02	500	1.244766E-02
Acrylonitrile	5	6.752359E-02	25	6.469325E-02	50	5.605646E-02	125	0.0569193	250	5.435432E-02	500	6.181562E-02
Acetone	1	0.1920179	5	6.303527E-02	10	5.710266E-02	25	3.874487E-02	50	4.644504E-02	100	4.470219E-02
Dichlorodifluoromethane	1	0.3018752	5	0.4096173	10	0.4124595	25	0.3725036	50	0.3543631	100	0.3606048
Chloromethane	1	0.4158349	5	0.4324344	10	0.429473	25	0.3520679	50	0.3517133	100	0.3520999
Vinyl chloride	1	0.4052276	5	0.5024441	10	0.484106	25	0.4419462	50	0.4330746	100	0.4627179
Bromomethane	1	0.1671997	5	0.1687891	10	0.1608152	25	0.1534272	50	0.1620141	100	0.1803384
Chloroethane	1	0.263322	5	0.2782238	10	0.2746894	25	0.2342191	50	0.2409617	100	0.1927087
Trichlorofluoromethane	1	0.5835786	5	0.5951309	10	0.5999958	25	0.5592976	50	0.5565483	100	0.5773766
Freon 113	1	0.2296192	5	0.2257457	10	0.214878	25	0.1992951	50	0.2047223	100	0.2224982
1,1-Dichloroethene	1	0.5330356	5	0.5700232	10	0.5201047	25	0.4986154	50	0.4946412	100	0.5286698
Carbon disulfide	1	1.053968	5	1.204448	10	1.108814	25	1.033245	50	1.045709	100	1.15454
Methyl Acetate	1	0.2273753	5	0.2750842	10	0.2338084	25	0.2325533	50	0.2259211	100	0.2569792
Methylene Chloride	1	1.115232	5	0.5978414	10	0.5037383	25	0.4197645	50	0.4195039	100	0.4533997
trans-1,2-Dichloroethene	1	0.6385639	5	0.6991494	10	0.6595133	25	0.6014018	50	0.5932711	100	0.6493641
1,1-Dichloroethane	1	0.8514789	5	0.9435743	10	0.8858491	25	0.810793	50	0.831271	100	0.9146797
Vinyl acetate	1	0.4447781	5	0.4677215	10	0.4418805	25	0.4211693	50	0.4242539	100	0.4747076
2,2-Dichloropropane	1	0.82725	5	0.811691	10	0.7539262	25	0.6983818	50	0.7066249	100	0.7913087
2-Butanone	1	8.290859E-02	5	6.757444E-02	10	8.265027E-02	25	6.970111E-02	50	7.413324E-02	100	8.089342E-02
cis-1,2-Dichloroethene	1	0.6193439	5	0.6911253	10	0.5983267	25	0.60615	50	0.588681	100	0.6477638
Chloroform	1	0.8998461	5	0.8379744	10	0.7484803	25	0.6721484	50	0.6816171	100	0.76439
Bromochloromethane	1	0.3731113	5	0.3918991	10	0.3663673	25	0.3409668	50	0.359641	100	0.3879611
Cyclohexane	1	0.6490578	5	0.6806988	10	0.6123265	25	0.5865336	50	0.5719096	100	0.6136135
1,1,1-Trichloroethane	1	0.5397218	5	0.6286592	10	0.5638107	25	0.5423758	50	0.5359945	100	0.6046219
t-Butyl alcohol	10	1.919499E-02	50	1.863021E-02	100	0.0174655	250	1.896218E-02	500	0.0178547	1000	1.993132E-02
1,1-Dichloropropene	1	0.2020189	5	0.1614289	10	0.1611241	25	0.1452665	50	0.1418084	100	0.1546289

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration: 15H2701 Instrument: GC/MS M

Calibration Date: 8/13/2015 12:43:35PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Carbon Tetrachloride	1	0.4057088	5	0.3877415	10	0.3836652	25	0.3596318	50	0.3479233	100	0.4004396
1,2-Dichloroethane	1	0.277848	5	0.3032849	10	0.286378	25	0.2690022	50	0.2697742	100	0.3020417
Benzene	1	1.31864	5	1.301291	10	1.31119	25	1.169706	50	1.142495	100	1.269477
Trichloroethene	1	0.255592	5	0.2879195	10	0.2875634	25	0.2513236	50	0.2547085	100	0.2814439
Methylcyclohexane	1	0.444819	5	0.4904661	10	0.4984979	25	0.4611549	50	0.4550928	100	0.5062903
1,2-Dichloropropane	1	0.2885079	5	0.3216603	10	0.3290093	25	0.3011023	50	0.2959459	100	0.3323531
Bromodichloromethane	1	0.3099285	5	0.3349525	10	0.3450689	25	0.3205614	50	0.3227992	100	0.3771171
Dibromomethane	1	0.1790426	5	0.1726682	10	0.1775957	25	0.1705704	50	0.1619223	100	0.1949969
2-Chloroethyl vinyl ether	1	0.126233	5	0.1216103	10	0.1301203	25	0.1254474	50	0.1276131	100	0.1460486
cis-1,3-Dichloropropene	1	0.4995301	5	0.5185409	10	0.5523164	25	0.5049918	50	0.4993023	100	0.5688787
Toluene	1	1.229818	5	1.134054	10	1.181049	25	1.056522	50	1.036652	100	1.139382
trans-1,3-Dichloropropene	1	0.3619746	5	0.4104055	10	0.4358523	25	0.402512	50	0.3954866	100	0.4630968
1,1,2-Trichloroethane	1	0.1634561	5	0.1941056	10	0.1837456	25	0.1719033	50	0.1660072	100	0.1811763
4-Methyl-2-pentanone	1	0.1087595	5	0.1099536	10	0.1148594	25	0.103577	50	0.1021107	100	0.1129034
1,2-Dibromoethane	1	0.1848047	5	0.2015288	10	0.205082	25	0.1825092	50	0.1849749	100	0.2137524
2-Hexanone	1	8.410196E-02	5	7.732736E-02	10	8.088669E-02	25	8.400648E-02	50	8.726853E-02	100	9.363486E-02
1,3-Dichloropropane	1	0.4204163	5	0.4674075	10	0.465288	25	0.4535031	50	0.4505009	100	0.5029428
Tetrachloroethene	1	0.3945687	5	0.4307047	10	0.4521306	25	0.4270394	50	0.4202394	100	0.4678569
Dibromochloromethane	1	0.264957	5	0.3070432	10	0.3023338	25	0.3128204	50	0.3253117	100	0.3690365
Ethylbenzene	1	1.450782	5	1.406553	10	1.412292	25	1.368282	50	1.35512	100	1.470025
Chlorobenzene	1	0.8723825	5	0.909462	10	0.9070693	25	0.8737644	50	0.8757942	100	0.9617871
1,1,1,2-Tetrachloroethane	1	0.3165742	5	0.365876	10	0.3648457	25	0.3617089	50	0.3608368	100	0.3996218
m,p-Xylenes	2	1.04699	10	1.056673	20	1.073416	50	1.015947	100	1.000952	200	1.065843
o-Xylene	2	1.0423	10	1.051398	20	1.039926	50	0.9959538	100	0.9961985	200	1.065963
Styrene	2	0.8764178	10	0.9085807	20	0.924321	50	0.8715522	100	0.8668409	200	0.9249965
Bromoform	1	0.1260906	5	0.1307118	10	0.1381163	25	0.1438391	50	0.1507688	100	0.1770352

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration: 15H2701 Instrument: GC/MS M

Calibration Date: 8/13/2015 12:43:35PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Isopropylbenzene	1	2.329549	5	2.528951	10	2.494178	25	2.401072	50	2.360299	100	2.628915
1,1,2,2-Tetrachloroethane	1	0.3437907	5	0.3839093	10	0.3699274	25	0.3582781	50	0.3603578	100	0.394693
1,2,3-Trichloropropane	1	0.2810644	5	0.3035616	10	0.2960885	25	0.2955969	50	0.3025496	100	0.3359582
n-Propyl Benzene	1	2.736727	5	2.903511	10	2.894905	25	2.801876	50	2.752223	100	3.022825
Bromobenzene	1	0.9203379	5	0.9583966	10	0.9573889	25	0.9297031	50	0.9217049	100	1.039409
1,3,5-Trimethylbenzene	1	1.740541	5	1.89981	10	1.896621	25	1.842505	50	1.817037	100	1.970101
2-Chlorotoluene	1	1.522574	5	1.597842	10	1.574364	25	1.529835	50	1.504337	100	1.655257
4-Chlorotoluene	1	1.729033	5	1.861442	10	1.806173	25	1.764793	50	1.71833	100	1.893631
tert-Butylbenzene	1	1.875756	5	1.91925	10	1.961718	25	1.900251	50	1.865715	100	2.045539
1,2,4-Trimethylbenzene	1	1.925625	5	1.894952	10	1.958986	25	1.874055	50	1.852759	100	2.014451
sec-Butylbenzene	1	2.450927	5	2.642501	10	2.671637	25	2.5542	50	2.486284	100	2.708957
p-Isopropyltoluene	1	2.380635	5	2.554376	10	2.540272	25	2.501905	50	2.420668	100	2.624556
1,3-Dichlorobenzene	1	1.444371	5	1.631913	10	1.553301	25	1.509019	50	1.509084	100	1.645678
1,4-Dichlorobenzene	1	1.545563	5	1.595424	10	1.589835	25	1.503802	50	1.493088	100	1.624298
n-Butyl Benzene	1	1.986552	5	2.005913	10	2.051755	25	1.979213	50	1.92341	100	2.048609
1,2-Dichlorobenzene	1	1.358046	5	1.316595	10	1.382685	25	1.290726	50	1.274857	100	1.353299
1,2-Dibromo-3-chloropropane	1	0.0867215	5	0.0726367	10	7.987571E-02	25	7.964557E-02	50	8.126601E-02	100	9.095439E-02
1,2,4-Trichlorobenzene	1	0.5755683	5	0.6361152	10	0.6748695	25	0.609987	50	0.6499264	100	0.6759509
Hexachlorobutadiene	1	0.3823101	5	0.3883337	10	0.3944396	25	0.3747078	50	0.3770722	100	0.415865
Naphthalene	1	1.277304	5	1.088176	10	1.252622	25	1.08828	50	1.230617	100	1.208338
1,2,3-Trichlorobenzene	1	0.438687	5	0.4105765	10	0.4958064	25	0.4021922	50	0.4835429	100	0.458537
Methyl tert-Butyl Ether	2	1.053674	10	1.215167	20	1.187381	50	1.134694	100	1.124165	200	1.25487
1,2-Dichloroethane-d4	1	0.1990226	5	0.2201681	10	0.2215462	25	0.2067017	50	0.1969233	100	0.2240865
Toluene-d8	1	0.8362955	5	0.8254476	10	0.8301099	25	0.784211	50	0.7460116	100	0.8391692
Bromofluorobenzene	1	0.3606781	5	0.3235886	10	0.323087	25	0.2889756	50	0.2873782	100	0.3183068

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15H2701	Instrument:	GC/MS M
		Calibration Date:	8/13/2015 12:43:35PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Acrolein	1.278899E-02	9.452192		
Acrylonitrile	6.022709E-02	8.739797		
Acetone	7.367466E-02	79.59468		
Dichlorodifluoromethane	0.3685706	11.08104		
Chloromethane	0.3889372	10.51366	SPCC (0.1)	
Vinyl chloride	0.4549194	7.794145	CCC (20)	
Bromomethane	0.1654306	5.498504		
Chloroethane	0.2473541	12.98062		
Trichlorofluoromethane	0.5786546	3.106954		
Freon 113	0.2161264	5.591091		
1,1-Dichloroethene	0.5241816	5.219601	CCC (20)	
Carbon disulfide	1.100121	6.229626		
Methyl Acetate	0.2419536	8.157217		
Methylene Chloride	0.5849133	45.87005		
trans-1,2-Dichloroethene	0.6402106	6.106667		
1,1-Dichloroethane	0.872941	5.831586	SPCC (0.1)	
Vinyl acetate	0.4457518	4.918627		
2,2-Dichloropropane	0.7648638	7.092785		
2-Butanone	7.631018E-02	8.877679		
cis-1,2-Dichloroethene	0.6252318	6.114777		
Chloroform	0.7674094	11.55585	CCC (20)	
Bromochloromethane	0.3699911	5.092812		
Cyclohexane	0.6190233	6.484092		
1,1,1-Trichloroethane	0.5691973	6.808938		
t-Butyl alcohol	1.867315E-02	4.831047		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15H2701	Instrument:	GC/MS M
		Calibration Date:	8/13/2015 12:43:35PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
1,1-Dichloropropene	0.161046	13.43067		
Carbon Tetrachloride	0.3808517	5.977727		
1,2-Dichloroethane	0.2847215	5.361367		
Benzene	1.252133	6.128497		
Trichloroethene	0.2697585	6.527788		
Methylcyclohexane	0.4760535	5.365935		
1,2-Dichloropropane	0.3114298	5.961231	CCC (20)	
Bromodichloromethane	0.3350713	7.139141		
Dibromomethane	0.1761327	6.277938		
2-Chloroethyl vinyl ether	0.1295121	6.616399		
cis-1,3-Dichloropropene	0.5239267	5.672157		
Toluene	1.129579	6.479632	CCC (20)	
trans-1,3-Dichloropropene	0.4115546	8.449615		
1,1,2-Trichloroethane	0.1767323	6.624634		
4-Methyl-2-pentanone	0.1086939	4.633918		
1,2-Dibromoethane	0.195442	6.69171		
2-Hexanone	8.453765E-02	6.607495		
1,3-Dichloropropane	0.4600098	5.854312		
Tetrachloroethene	0.43209	5.906411		
Dibromochloromethane	0.3135838	10.81144		
Ethylbenzene	1.410509	3.175958	CCC (20)	
Chlorobenzene	0.9000432	3.846929	SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.3615772	7.319746		
m,p-Xylenes	1.043304	2.761142		
o-Xylene	1.031957	2.835085		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15H2701	Instrument:	GC/MS M
		Calibration Date:	8/13/2015 12:43:35PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Styrene	0.8954515	3.009332		
Bromoform	0.144427	12.64638	SPCC (0.1)	
Isopropylbenzene	2.457161	4.634371		
1,1,2,2-Tetrachloroethane	0.3684927	5.014038	SPCC (0.3)	
1,2,3-Trichloropropane	0.3024699	6.040016		
n-Propyl Benzene	2.852011	3.822682		
Bromobenzene	0.9544901	4.706525		
1,3,5-Trimethylbenzene	1.861102	4.262299		
2-Chlorotoluene	1.564035	3.619454		
4-Chlorotoluene	1.795567	3.970084		
tert-Butylbenzene	1.928038	3.472163		
1,2,4-Trimethylbenzene	1.920138	3.101418		
sec-Butylbenzene	2.585751	4.05032		
p-Isopropyltoluene	2.503735	3.597058		
1,3-Dichlorobenzene	1.548894	5.032425		
1,4-Dichlorobenzene	1.558668	3.408465		
n-Butyl Benzene	1.999242	2.404191		
1,2-Dichlorobenzene	1.329368	3.16755		
1,2-Dibromo-3-chloropropane	8.184998E-02	7.738687		
1,2,4-Trichlorobenzene	0.6370696	6.128889		
Hexachlorobutadiene	0.3887881	3.888528		
Naphthalene	1.19089	6.948793		
1,2,3-Trichlorobenzene	0.4482237	8.492619		
Methyl tert-Butyl Ether	1.161659	6.208389		
1,2-Dichloroethane-d4	0.2114081	5.698338		

Accredited Analytical Resources, LLC.

INITIAL CALIBRATION DATA SHEET (Continued)

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Calibration:	15H2701	Instrument:	GC/MS M
		Calibration Date:	8/13/2015 12:43:35PM

COMPOUND	Mean RF	RF RSD	LIMIT	Q
Toluene-d8	0.8102075	4.599849		
Bromofluorobenzene	0.3170024	8.526366		

* Values outside of QC limits

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS M	Calibration:	15H2701
Lab File ID:	M17089.D	Calibration Date:	08/13/15 12:43
Sequence:	S5H2407	Injection Date:	08/24/15
Lab Sample ID:	S5H2407-CCV1	Injection Time:	15:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acrolein	A	125	129	1.278899E-02	1.322764E-02		3.4	
Acrylonitrile	A	125	146	6.022709E-02	7.017806E-02		16.5	
Acetone	L	25.0	37.5	7.367466E-02	6.876065E-02		-6.7	
Dichlorodifluoromethane	A	25.0	20.0	0.3685706	0.2956495		-19.8	
Chloromethane	A	25.0	22.0	0.3889372	0.3420409	0.1	-12.1	
Vinyl chloride	A	25.0	27.2	0.4549194	0.4945755		8.7	20
Bromomethane	A	25.0	27.7	0.1654306	0.1830684		10.7	
Chloroethane	L	25.0	27.8	0.2473541	0.2755204		11.4	
Trichlorofluoromethane	A	25.0	27.4	0.5786546	0.6341448		9.6	
Freon 113	A	25.0	27.2	0.2161264	0.2354063		8.9	
1,1-Dichloroethene	A	25.0	25.5	0.5241816	0.534928		2.1	20
Carbon disulfide	A	25.0	23.7	1.100121	1.041529		-5.3	
Methyl Acetate	A	25.0	29.5	0.2419536	0.2853455		17.9	
Methylene Chloride	L	25.0	27.8	0.5849133	0.5025185		-14.1	
trans-1,2-Dichloroethene	A	25.0	26.7	0.6402106	0.6832416		6.7	
1,1-Dichloroethane	A	25.0	28.5	0.872941	0.9935935	0.1	13.8	
Vinyl acetate	A	25.0	25.6	0.4457518	0.4564946		2.4	
2,2-Dichloropropane	A	25.0	25.4	0.7648638	0.7763092		1.5	
2-Butanone	A	25.0	29.8	7.631018E-02	9.101956E-02		19.3	
cis-1,2-Dichloroethene	A	25.0	29.6	0.6252318	0.7395632		18.3	
Chloroform	A	25.0	27.1	0.7674094	0.8317296		8.4	20
Bromochloromethane	A	25.0	28.6	0.3699911	0.4235274		14.5	
Cyclohexane	A	25.0	28.6	0.6190233	0.7069678		14.2	

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS M	Calibration:	15H2701
Lab File ID:	M17089.D	Calibration Date:	08/13/15 12:43
Sequence:	S5H2407	Injection Date:	08/24/15
Lab Sample ID:	S5H2407-CCV1	Injection Time:	15:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1-Trichloroethane	A	25.0	27.4	0.5691973	0.6237641		9.6	
t-Butyl alcohol	A	250	296	1.867315E-02	2.208016E-02		18.2	
1,1-Dichloropropene	A	25.0	23.8	0.161046	0.1533594		-4.8	
Carbon Tetrachloride	A	25.0	24.0	0.3808517	0.3662968		-3.8	
1,2-Dichloroethane	A	25.0	25.4	0.2847215	0.2898355		1.8	
Benzene	A	25.0	25.0	1.252133	1.250089		-0.2	
Trichloroethene	A	25.0	25.6	0.2697585	0.2762311		2.4	
Methylcyclohexane	A	25.0	25.8	0.4760535	0.4920579		3.4	
1,2-Dichloropropane	A	25.0	27.2	0.3114298	0.3388863		8.8	20
Bromodichloromethane	A	25.0	25.5	0.3350713	0.3414788		1.9	
Dibromomethane	A	25.0	26.3	0.1761327	0.1851718		5.1	
2-Chloroethyl vinyl ether	A	25.0	27.3	0.1295121	0.1414766		9.2	
cis-1,3-Dichloropropene	A	25.0	25.8	0.5239267	0.5410566		3.3	
Toluene	A	25.0	26.5	1.129579	1.198476		6.1	20
trans-1,3-Dichloropropene	A	25.0	27.0	0.4115546	0.4444301		8.0	
1,1,2-Trichloroethane	A	25.0	26.6	0.1767323	0.1882986		6.5	
4-Methyl-2-pentanone	A	25.0	27.2	0.1086939	0.1181123		8.7	
1,2-Dibromoethane	A	25.0	26.2	0.195442	0.2051242		5.0	
2-Hexanone	A	25.0	25.9	8.453765E-02	8.752452E-02		3.5	
1,3-Dichloropropane	A	25.0	24.7	0.4600098	0.454137		-1.3	
Tetrachloroethene	A	25.0	24.1	0.43209	0.4162877		-3.7	
Dibromochloromethane	A	25.0	25.8	0.3135838	0.3229303		3.0	
Ethylbenzene	A	25.0	25.4	1.410509	1.434859		1.7	20

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS M	Calibration:	15H2701
Lab File ID:	M17089.D	Calibration Date:	08/13/15 12:43
Sequence:	S5H2407	Injection Date:	08/24/15
Lab Sample ID:	S5H2407-CCV1	Injection Time:	15:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Chlorobenzene	A	25.0	25.8	0.9000432	0.9280709	0.3	3.1	
1,1,1,2-Tetrachloroethane	A	25.0	26.3	0.3615772	0.3806692		5.3	
m,p-Xylenes	A	50.0	51.4	1.043304	1.07154		2.7	
o-Xylene	A	50.0	51.7	1.031957	1.066626		3.4	
Styrene	A	50.0	53.7	0.8954515	0.9615454		7.4	
Bromoform	A	25.0	26.3	0.144427	0.1518717	0.1	5.2	
Isopropylbenzene	A	25.0	25.5	2.457161	2.508911		2.1	
1,1,2,2-Tetrachloroethane	A	25.0	24.7	0.3684927	0.3645348	0.3	-1.1	
1,2,3-Trichloropropane	A	25.0	25.8	0.3024699	0.3124748		3.3	
n-Propyl Benzene	A	25.0	25.3	2.852011	2.886621		1.2	
Bromobenzene	A	25.0	25.2	0.9544901	0.9610878		0.7	
1,3,5-Trimethylbenzene	A	25.0	25.6	1.861102	1.905601		2.4	
2-Chlorotoluene	A	25.0	25.1	1.564035	1.570378		0.4	
4-Chlorotoluene	A	25.0	25.5	1.795567	1.829934		1.9	
tert-Butylbenzene	A	25.0	26.1	1.928038	2.010307		4.3	
1,2,4-Trimethylbenzene	A	25.0	25.5	1.920138	1.95549		1.8	
sec-Butylbenzene	A	25.0	26.2	2.585751	2.705144		4.6	
p-Isopropyltoluene	A	25.0	26.2	2.503735	2.627835		5.0	
1,3-Dichlorobenzene	A	25.0	25.6	1.548894	1.588898		2.6	
1,4-Dichlorobenzene	A	25.0	25.5	1.558668	1.591553		2.1	
n-Butyl Benzene	A	25.0	25.9	1.999242	2.073175		3.7	
1,2-Dichlorobenzene	A	25.0	25.4	1.329368	1.348437		1.4	
1,2-Dibromo-3-chloropropane	A	25.0	24.6	8.184998E-02	8.063533E-02		-1.5	

Accredited Analytical Resources, LLC.

CONTINUING CALIBRATION VERIFICATION

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Work Order: 1501458
Project: 255 East 138th Street

Instrument ID:	GC/MS M	Calibration:	15H2701
Lab File ID:	M17089.D	Calibration Date:	08/13/15 12:43
Sequence:	S5H2407	Injection Date:	08/24/15
Lab Sample ID:	S5H2407-CCV1	Injection Time:	15:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2,4-Trichlorobenzene	A	25.0	26.6	0.6370696	0.6782136		6.5	
Hexachlorobutadiene	A	25.0	25.9	0.3887881	0.4022031		3.5	
Naphthalene	A	25.0	26.1	1.19089	1.243929		4.5	
1,2,3-Trichlorobenzene	A	25.0	27.6	0.4482237	0.4950491		10.4	
Methyl tert-Butyl Ether	A	50.0	47.1	1.161659	1.09453		-5.8	
1,2-Dichloroethane-d4	A	25.0	27.2	0.2114081	0.2301629		8.9	
Toluene-d8	A	25.0	28.3	0.8102075	0.9180892		13.3	
Bromofluorobenzene	A	25.0	28.7	0.3170024	0.3635766		14.7	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Accredited Analytical Resources, LLC.

28 October 2016 AAR Work Order: 1601998

Sean Harrison
BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street, Bronx, NY

Enclosed are the results of analyses for samples received by the laboratory on 10/18/2016 15:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	10/28/2016 14:49

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SMW-1	1601998-01	Ground Water	10/18/2016 09:40	10/18/2016 15:45
TMW-2	1601998-02	Ground Water	10/18/2016 10:20	10/18/2016 15:45
Trip Blank	1601998-03	Aqueous	10/18/2016 13:18	10/18/2016 15:45

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

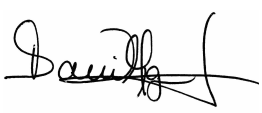
Methodology Summary

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



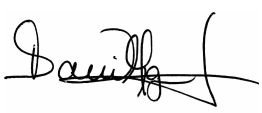
Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	10/28/2016 14:49

Condition of Samples on Receipt

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Sean Harrison

Reported:
10/28/2016 14:49

Client ID: SMW-1

Lab ID: 1601998-01 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5030B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.00	10.0	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.00	10.0	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
67-64-1	Acetone	ND	1.00	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.00	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.00	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.00	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.00	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	0.400	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	0.400	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	0.400	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
78-93-3	2-Butanone	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
67-66-3	Chloroform	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
71-43-2	Benzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Sean Harrison

Reported:
10/28/2016 14:49

Client ID: SMW-1

Lab ID: 1601998-01 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
108-88-3	Toluene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
100-41-4	**Ethylbenzene**	**0.500**	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	J
108-90-7	Chlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
108-38-3/106-4	**m,p-Xylenes**	**1.03**	1.00	2.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	J
95-47-6	o-Xylene	ND	1.00	2.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
100-42-5	Styrene	ND	1.00	2.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
75-25-2	Bromoform	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
98-82-8	**Isopropylbenzene**	**2.98**	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
103-65-1	**n-Propyl Benzene**	**5.57**	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	
108-86-1	Bromobenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Sean Harrison

Reported:
10/28/2016 14:49

Client ID: SMW-1

Lab ID: 1601998-01 (Ground Water)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
135-98-8	**sec-Butylbenzene**	**0.680**	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	J
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
104-51-8	**n-Butyl Benzene**	**0.990**	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	J
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
91-20-3	Naphthalene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 17:35	10/20/16 17:35/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*90 %*	*70-130*		*10/20/16 17:35*	*10/20/16 17:35/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*97 %*	*70-130*		*10/20/16 17:35*	*10/20/16 17:35/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*109 %*	*70-130*		*10/20/16 17:35*	*10/20/16 17:35/SG*	*EPA 8260*	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	10/28/2016 14:49

Client ID: TMW-2

Lab ID: 1601998-02 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5030B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.00	10.0	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.00	10.0	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
67-64-1	Acetone	ND	1.00	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.00	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.00	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.00	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.00	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	0.400	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	0.400	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	0.400	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
78-93-3	**2-Butanone**	**0.650**	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	J
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
67-66-3	Chloroform	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
71-43-2	**Benzene**	**0.690**	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	J
79-01-6	Trichloroethene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Sean Harrison

Reported:
10/28/2016 14:49

Client ID: TMW-2

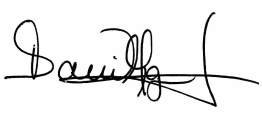
Lab ID: 1601998-02 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
108-88-3	Toluene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	1.00	2.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
95-47-6	o-Xylene	ND	1.00	2.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
100-42-5	Styrene	ND	1.00	2.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
75-25-2	Bromoform	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
98-82-8	**Isopropylbenzene**	**0.560**	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
103-65-1	**n-Propyl Benzene**	**0.870**	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	J
108-86-1	Bromobenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Sean Harrison

Reported:
10/28/2016 14:49

Client ID: TMW-2

Lab ID: 1601998-02 (Ground Water)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
91-20-3	Naphthalene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 18:39	10/20/16 18:39/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*90 %*	*70-130*		*10/20/16 18:39*	*10/20/16 18:39/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*97 %*	*70-130*		*10/20/16 18:39*	*10/20/16 18:39/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*110 %*	*70-130*		*10/20/16 18:39*	*10/20/16 18:39/SG*	*EPA 8260*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL		
1805 Atlantic Ave.	Project: 255 East 138th Street, Bronx, NY	**Reported:**
Manasquan NJ, 08736	Project Manager: Sean Harrison	10/28/2016 14:49

Client ID: Trip Blank

Lab ID: 1601998-03 (Aqueous)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5030B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.00	10.0	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
107-13-1	Acrylonitrile	ND	2.00	10.0	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
67-64-1	Acetone	ND	1.00	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
74-87-3	Chloromethane	ND	1.00	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-01-4	Vinyl chloride	ND	1.00	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
74-83-9	Bromomethane	ND	1.00	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-00-3	Chloroethane	ND	1.00	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-15-0	Carbon disulfide	ND	0.400	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-09-2	Methylene Chloride	ND	0.400	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
108-05-4	Vinyl acetate	ND	0.400	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
78-93-3	2-Butanone	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
67-66-3	Chloroform	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
74-97-5	Bromochloromethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
71-43-2	Benzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
79-01-6	Trichloroethene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Sean Harrison

Reported:
10/28/2016 14:49

Client ID: Trip Blank

Lab ID: 1601998-03 (Aqueous)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
75-27-4	Bromodichloromethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
74-95-3	Dibromomethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
108-88-3	Toluene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
591-78-6	2-Hexanone	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
100-41-4	Ethylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
108-90-7	Chlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
108-38-3/106-4	m,p-Xylenes	ND	1.00	2.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
95-47-6	o-Xylene	ND	1.00	2.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
100-42-5	Styrene	ND	1.00	2.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
75-25-2	Bromoform	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
98-82-8	Isopropylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
103-65-1	n-Propyl Benzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
108-86-1	Bromobenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
98-06-6	tert-Butylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan NJ, 08736

Project: 255 East 138th Street, Bronx, NY
Project Manager: Sean Harrison

Reported:
10/28/2016 14:49

Client ID: Trip Blank

Lab ID: 1601998-03 (Aqueous)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
135-98-8	sec-Butylbenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
91-20-3	Naphthalene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/20/16 14:43	10/20/16 14:43/SG	EPA 8260	U
Surrogate: 1,2-Dichloroethane-d4				*93 %*	*70-130*		*10/20/16 14:43*	*10/20/16 14:43/SG*	*EPA 8260*	
Surrogate: Toluene-d8				*97 %*	*70-130*		*10/20/16 14:43*	*10/20/16 14:43/SG*	*EPA 8260*	
Surrogate: Bromofluorobenzene				*108 %*	*70-130*		*10/20/16 14:43*	*10/20/16 14:43/SG*	*EPA 8260*	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street, Bronx, NY
CONTACT:	Sean Harrison
OFFICE PHONE #	732-223-2225
OFFICE FAX #	732-223-3666
INITIAL RESULTS TO:	Sean Harrison
EMAIL FOR INVOICE:	sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	NJ
ZIP:	08736

AAR QUOTE #	
AAR WORK ORDER #	1611998
P.O. #	10BR188

ANALYSIS

PRES. CODE → 1
CONT. CODE → 6

COLLECTION INFORMATION

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TCL VOCs	AAR SAMPLE #
SMW-1	10/18/16 / 09:40	GW	-	2	G	X	-01
TMW-2	10/18/16 / 10:20	GW	-	2	G	X	-02
Trip Blank	10/18/16 / 13:18	TB	-	2	TB	X	-03

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____

CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE) (STANDARD) 5 DAY 72 HRS. 48 HRS. 24 HRS. OTHER _____
(IF BLANK STANDARD WILL APPLY)

REPORT TYPE: RESULTS ONLY ____ REDUCED ____ FULL ____ EDD ✓ EXCEL SPREADSHEET ____

COMMENTS: NYSDEC Category B Data Deliverable. Hardcopy Report due by November 4, 2016.

COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Sean Harrison SIGN:

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Sean Harrison	Print Name: K. Muniz	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 10/18/16	Time: 1545	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

ANALYTICAL REPORT

for

BRINKERHOFF ENVIRONMENTAL
1805 Atlantic Ave.
Manasquan, NJ 08736

Project: 255 East 138th Street, Bronx, NY

AAR Work Order: 1602078

Client Sample ID:	Lab Sample ID:
SMW-1	1602078-01
Trip Blank	1602078-02

This data has been reviewed and accepted by:

Daniel Miguel 11/04/2016
Technical Director

New Jersey Certification Number: 12007
New York Certification Number: 11109
Pennsylvania Certification Number: 68-02799

This report shall not be reproduced, except in its entirety, without the written consent of Accredited Analytical Resources, LLC.
The test results included in this report relate only to the samples analyzed.

Accredited Analytical Resources, LLC.

Methodology Summary

Volatile Organic Compounds EPA Method SW846 8260:

NJ 8260B
NY 8260C

Accredited Analytical Resources, LLC.

Internal Chain of Custody

Out	*In*
by	by

Accredited Analytical Resources, LLC.

Condition of Samples on Receipt

Client: **BRINKERHOFF ENVIRONMENTAL**
Project: **255 East 138th Street, Bronx, NY**
Work Order: **1602078**

Received: 11/2/16 10:25

Cooler

Temperature °C	4.00
Chain of Custody Filled Out Properly	Yes
Proper Containers and Volumes	Yes
Received Within Holding Time	Yes
Samples Received with Correct Preservation	Yes
Samples Received On Ice	Yes
Sample Received Via Field Services	No
Samples Hand Delivered	Yes

Accredited Analytical Resources, LLC.
20 PERSHING AVE, CARTERET, NJ 07008
Tel. 732-969-6112 FAX 732-541-1383
WEB: WWW.ACCREDITEDANALYTICAL.COM

CHAIN OF CUSTODY FORM

STATE AGENCY (CIRCLE ONE)	NJ (NY) PA
PROJECT NAME:	255 East 138th Street, Bronx, NY
CONTACT:	Sean Harrison
OFFICE PHONE #	732.223.2225
OFFICE FAX #	732.223.3666
INITIAL RESULTS TO:	Sean Harrison
EMAIL FOR INVOICE:	sharrison@brinkenv.com

CLIENT NAME:	Brinkerhoff Environmental
ADDRESS:	1805 Atlantic Ave
CITY:	Manasquan
STATE:	NJ ZIP:

AAR QUOTE #	
AAR WORK ORDER #	1632078
P.O. #	10BR188

COLLECTION INFORMATION

ANALYSIS

PRES. CODE → 1
CONT. CODE → G
TCL VOCs

CUSTOMER SAMPLE # / ID	DATE / TIME SAMPLED	MATRIX CODE	DEPTH	# OF CONTAINERS	GRAB (G) COMP (C)	TCL VOCs	AAR SAMPLE #
SMW-1	11/2/16 0843	GW	-	2	G	X	-01
Trip Blank	11/2/16 0800	TB	-	2	TB	X	-02

MATRIX CODES: S = SOIL A = AQUEOUS GW = GROUND WATER WW = WASTE WATER SW = SURFACE WATER P = POTABLE WATER O = OIL K = SOLID X = OTHER _____
CONTAINER TYPE CODES: G = GLASS P = PLASTIC E = ENCORE PRESERVATIVES CODES: 1 = HCL 2 = HNO_3 3 = H_2SO_4 4 = NaOH 5 = OTHER _____

TURNAROUND TIME: (CIRCLE ONE)	STANDARD	5 DAY	72 HRS.	48 HRS.	24 HRS.	OTHER _____
	(IF BLANK STANDARD WILL APPLY)					Evening of 11/3/16 preferable
REPORT TYPE:	RESULTS ONLY ____	REDUCED ____	FULL ____	EDD ____	EXCEL SPREADSHEET ____	

COMMENTS: NYSDEC Category B Data Deliverable. Hardcopy Report due by November 16, 2016.
COOLER TEMP: 4°C

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Monica Norton SIGN: Monica Norton

SIGN BELOW WHEN DELIVERING SAMPLES. EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY, CUSTODY MUST BE DOCUMENTED.

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name: Monica Norton	Print Name: K. Muniz	Print Name:	Print Name:
Signature: Monica Norton	Signature: K. Muniz	Signature:	Signature:
Agent of: Brinkerhoff	Agent of: AAR	Agent of:	Agent of:
Date Received: 11 / 2 / 16	Time: 1025	Date Received: / /	Time:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Print Name:	Print Name:	Print Name:	Print Name:
Signature:	Signature:	Signature:	Signature:
Agent of:	Agent of:	Agent of:	Agent of:
Date Received: / /	Time:	Date Received: / /	Time:

Accredited Analytical Resources, LLC.

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SMW-1	1602078-01	Ground Water	11/02/2016 08:43	11/02/2016 10:25
Trip Blank	1602078-02	Aqueous	11/02/2016 08:00	11/02/2016 10:25

Data Qualifiers

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

VOLATILES SAMPLE DATA

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: SMW-1
Lab Sample ID: 1602078-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1602078

Date Sampled:	11/02/16 08:43	Prep Date:	11/02/16 17:27	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M21813.D
Prep Batch:	B6K0218	Sequence:	S6K0209	Analyzed:	11/02/16 17:27
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	ND	1.00	1.00	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	U
74-87-3	Chloromethane	ND	1.00	1.00	U
75-01-4	Vinyl chloride	ND	1.00	1.00	U
74-83-9	Bromomethane	ND	1.00	1.00	U
75-00-3	Chloroethane	ND	1.00	1.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	U
75-15-0	Carbon disulfide	ND	0.400	1.00	U
75-09-2	Methylene Chloride	ND	0.400	1.00	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	U
108-05-4	Vinyl acetate	ND	0.400	1.00	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	U
78-93-3	2-Butanone	ND	0.500	1.00	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	U
67-66-3	Chloroform	ND	0.500	1.00	U
74-97-5	Bromochloromethane	ND	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	U
71-43-2	Benzene	ND	0.500	1.00	U
79-01-6	Trichloroethene	ND	0.500	1.00	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: SMW-1
Lab Sample ID: 1602078-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1602078

Date Sampled:	11/02/16 08:43	Prep Date:	11/02/16 17:27	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M21813.D
Prep Batch:	B6K0218	Sequence:	S6K0209	Analyzed:	11/02/16 17:27
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	U
75-27-4	Bromodichloromethane	ND	0.500	1.00	U
74-95-3	Dibromomethane	ND	0.500	1.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	U
108-88-3	Toluene	ND	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	U
591-78-6	2-Hexanone	ND	0.500	1.00	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	U
100-41-4	Ethylbenzene	ND	0.500	1.00	U
108-90-7	Chlorobenzene	ND	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	U
108-38-3/106-42	m,p-Xylenes	ND	1.00	2.00	U
95-47-6	o-Xylene	ND	1.00	2.00	U
100-42-5	Styrene	ND	1.00	2.00	U
75-25-2	Bromoform	ND	0.500	1.00	U
98-82-8	Isopropylbenzene	1.66	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	U
103-65-1	n-Propyl Benzene	1.76	0.500	1.00	
108-86-1	Bromobenzene	ND	0.500	1.00	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: SMW-1
Lab Sample ID: 1602078-01
Project: 255 East 138th Street, Bronx, NY
Work Order: 1602078

Date Sampled:	11/02/16 08:43	Prep Date:	11/02/16 17:27	Matrix:	Ground Water
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M21813.D
Prep Batch:	B6K0218	Sequence:	S6K0209	Analyzed:	11/02/16 17:27
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	U
98-06-6	tert-Butylbenzene	ND	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	U
135-98-8	sec-Butylbenzene	0.600	0.500	1.00	J
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	U
91-20-3	Naphthalene	ND	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	101%	70-130
Toluene-d8	98%	70-130
Bromofluorobenzene	104%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Trip Blank
Lab Sample ID: 1602078-02
Project: 255 East 138th Street, Bronx, NY
Work Order: 1602078

Date Sampled:	11/02/16 08:00	Prep Date:	11/02/16 16:54	Matrix:	Aqueous
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M21812.D
Prep Batch:	B6K0218	Sequence:	S6K0209	Analyzed:	11/02/16 16:54
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
107-02-8	Acrolein	ND	6.00	10.0	U
107-13-1	Acrylonitrile	ND	2.00	10.0	U
67-64-1	Acetone	ND	1.00	1.00	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	U
74-87-3	Chloromethane	ND	1.00	1.00	U
75-01-4	Vinyl chloride	ND	1.00	1.00	U
74-83-9	Bromomethane	ND	1.00	1.00	U
75-00-3	Chloroethane	ND	1.00	1.00	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	U
75-15-0	Carbon disulfide	ND	0.400	1.00	U
75-09-2	Methylene Chloride	ND	0.400	1.00	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	U
108-05-4	Vinyl acetate	ND	0.400	1.00	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	U
78-93-3	2-Butanone	ND	0.500	1.00	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	U
67-66-3	Chloroform	ND	0.500	1.00	U
74-97-5	Bromochloromethane	ND	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	U
71-43-2	Benzene	ND	0.500	1.00	U
79-01-6	Trichloroethene	ND	0.500	1.00	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Trip Blank
Lab Sample ID: 1602078-02
Project: 255 East 138th Street, Bronx, NY
Work Order: 1602078

Date Sampled:	11/02/16 08:00	Prep Date:	11/02/16 16:54	Matrix:	Aqueous
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M21812.D
Prep Batch:	B6K0218	Sequence:	S6K0209	Analyzed:	11/02/16 16:54
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	U
75-27-4	Bromodichloromethane	ND	0.500	1.00	U
74-95-3	Dibromomethane	ND	0.500	1.00	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	U
108-88-3	Toluene	ND	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	U
591-78-6	2-Hexanone	ND	0.500	1.00	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	U
100-41-4	Ethylbenzene	ND	0.500	1.00	U
108-90-7	Chlorobenzene	ND	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	U
108-38-3/106-42	m,p-Xylenes	ND	1.00	2.00	U
95-47-6	o-Xylene	ND	1.00	2.00	U
100-42-5	Styrene	ND	1.00	2.00	U
75-25-2	Bromoform	ND	0.500	1.00	U
98-82-8	Isopropylbenzene	ND	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	U
103-65-1	n-Propyl Benzene	ND	0.500	1.00	U
108-86-1	Bromobenzene	ND	0.500	1.00	U

Accredited Analytical Resources, LLC.

ANALYSIS DATA SHEET

EPA 8260

Client: BRINKERHOFF ENVIRONMENTAL
Client Sample ID: Trip Blank
Lab Sample ID: 1602078-02
Project: 255 East 138th Street, Bronx, NY
Work Order: 1602078

Date Sampled:	11/02/16 08:00	Prep Date:	11/02/16 16:54	Matrix:	Aqueous
Percent Solids:		Prep Method:	EPA 5030B	File ID:	M21812.D
Prep Batch:	B6K0218	Sequence:	S6K0209	Analyzed:	11/02/16 16:54
Dilution:	1			Analyst:	SG

CAS NO.	COMPOUND	CONC. (ug/L)	MDL	RL	Q
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	U
98-06-6	tert-Butylbenzene	ND	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	U
135-98-8	sec-Butylbenzene	ND	0.500	1.00	U
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	U
91-20-3	Naphthalene	ND	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	U

Surrogate	% Recovery	Recovery Limits
1,2-Dichloroethane-d4	104%	70-130
Toluene-d8	99%	70-130
Bromofluorobenzene	103%	70-130

* Values outside of QC limits
ND - Indicates compound analyzed for but not detected
U - Indicates compound analyzed for but not detected
J - Indicates estimated value for TICs and all results when detected below the RL
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
MDL - Minimum detection limit
RL - Reporting limit

ANALYTICAL REPORT

Lab Number:	L1710104
Client:	Brinkerhoff Environmental Services, Inc. 1805 Atlantic Ave. Manasquan, NJ 08736
ATTN:	Sean Harrison
Phone:	(732) 223-2225
Project Name:	255 E. 138TH STREET
Project Number:	10BR188
Report Date:	04/10/17

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1710104
Report Date: 04/10/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1710104-01	SMW-1	WATER	255 E. 138TH STREET, BRONX, NY	04/03/17 15:22	04/03/17
L1710104-02	SMW-2	WATER	255 E. 138TH STREET, BRONX, NY	04/03/17 16:38	04/03/17
L1710104-03	TRIP BLANK	WATER	255 E. 138TH STREET, BRONX, NY	04/03/17 00:00	04/03/17

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104
Project Number: 10BR188 **Report Date:** 04/10/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	255 E. 138TH STREET	**Lab Number:**	L1710104
Project Number:	10BR188	**Report Date:**	04/10/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 04/10/17

ORGANICS

VOLATILES

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-01 D
Client ID: SMW-1
Sample Location: 255 E. 138TH STREET, BRONX, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/17 19:46
Analyst: BD

Date Collected: 04/03/17 15:22
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	0.71	J	ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	1.2		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	12		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-01 D Date Collected: 04/03/17 15:22

Client ID: SMW-1 Date Received: 04/03/17

Sample Location: 255 E. 138TH STREET, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	2.4	J	ug/l	5.0	1.4	2
sec-Butylbenzene	10		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	93		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	4.1	J	ug/l	5.0	1.4	2
n-Propylbenzene	78		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-01 D Date Collected: 04/03/17 15:22

Client ID: SMW-1 Date Received: 04/03/17

Sample Location: 255 E. 138TH STREET, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	2.2	J	ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	8.4		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	32		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	79		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	92		70-130

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-02
Client ID: SMW-2
Sample Location: 255 E. 138TH STREET, BRONX, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/17 20:14
Analyst: BD

Date Collected: 04/03/17 16:38
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.18	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-02 Date Collected: 04/03/17 16:38

Client ID: SMW-2 Date Received: 04/03/17

Sample Location: 255 E. 138TH STREET, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	5.7		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-02 Date Collected: 04/03/17 16:38

Client ID: SMW-2 Date Received: 04/03/17

Sample Location: 255 E. 138TH STREET, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.7	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-03
Client ID: TRIP BLANK
Sample Location: 255 E. 138TH STREET, BRONX, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/06/17 19:18
Analyst: BD

Date Collected: 04/03/17 00:00
Date Received: 04/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-03 Date Collected: 04/03/17 00:00

Client ID: TRIP BLANK Date Received: 04/03/17

Sample Location: 255 E. 138TH STREET, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1710104

Project Number: 10BR188 **Report Date:** 04/10/17

SAMPLE RESULTS

Lab ID: L1710104-03 Date Collected: 04/03/17 00:00

Client ID: TRIP BLANK Date Received: 04/03/17

Sample Location: 255 E. 138TH STREET, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	75		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1710104
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/17 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG991791-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	0.41	J	ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	0.41	J	ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1710104
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/17 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG991791-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 255 E. 138TH STREET
Project Number: 10BR188
Lab Number: L1710104
Report Date: 04/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/06/17 11:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG991791-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	74		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

Project Number: 10BR188

Lab Number: L1710104

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG991791-3 WG991791-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	98		98		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	97		98		63-132	1		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	86		84		63-130	2		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	100		96		70-130	4		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	94		97		62-150	3		20
1,2-Dichloroethane	90		89		70-130	1		20
1,1,1-Trichloroethane	97		98		67-130	1		20
Bromodichloromethane	97		94		67-130	3		20
trans-1,3-Dichloropropene	86		81		70-130	6		20
cis-1,3-Dichloropropene	99		93		70-130	6		20
1,1-Dichloropropene	95		94		70-130	1		20
Bromoform	86		86		54-136	0		20
1,1,2,2-Tetrachloroethane	120		120		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

Project Number: 10BR188

Lab Number: L1710104

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG991791-3 WG991791-4								
Chloromethane	84		85		64-130	1		20
Bromomethane	120		110		39-139	9		20
Vinyl chloride	100		100		55-140	0		20
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	100		95		63-130	5		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	100		98		70-130	2		20
1,2,3-Trichloropropane	110		120		64-130	9		20
Acrylonitrile	88		94		70-130	7		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	73		75		36-147	3		20
Acetone	97		85		58-148	13		20
Carbon disulfide	**200**	Q	**140**	Q	51-130	**35**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

Project Number: 10BR188

Lab Number: L1710104

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG991791-3 WG991791-4								
2-Butanone	110		89		63-138	**21**	Q	20
Vinyl acetate	100		94		70-130	6		20
4-Methyl-2-pentanone	100		84		59-130	17		20
2-Hexanone	92		69		57-130	**29**	Q	20
Bromochloromethane	120		110		70-130	9		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	100		89		70-130	12		20
1,3-Dichloropropane	98		94		70-130	4		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		120		70-130	9		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	130		130		70-130	0		20
p-Chlorotoluene	120		120		70-130	0		20
1,2-Dibromo-3-chloropropane	100		96		41-144	4		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	120		120		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	110		96		70-130	14		20
n-Propylbenzene	120		130		69-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

Project Number: 10BR188

Lab Number: L1710104

Report Date: 04/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG991791-3 WG991791-4								
1,2,3-Trichlorobenzene	110		92		70-130	18		20
1,2,4-Trichlorobenzene	110		100		70-130	10		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	98		96		56-162	2		20
p-Diethylbenzene	100		100		70-130	0		20
p-Ethyltoluene	110		120		70-130	9		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Ethyl ether	100		95		59-134	5		20
trans-1,4-Dichloro-2-butene	88		84		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		80		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	98		103		70-130
Dibromofluoromethane	100		98		70-130

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1710104
Report Date: 04/10/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1710104-01A	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1710104-01B	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1710104-01C	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1710104-02A	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1710104-02B	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1710104-02C	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1710104-03A	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)
L1710104-03B	Vial HCl preserved	A	N/A	4.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	255 E. 138TH STREET	**Lab Number:**	L1710104
Project Number:	10BR188	**Report Date:**	04/10/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers

Project Name:	255 E. 138TH STREET	**Lab Number:**	L1710104
Project Number:	10BR188	**Report Date:**	04/10/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	255 E. 138TH STREET	**Lab Number:**	L1710104
Project Number:	10BR188	**Report Date:**	04/10/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/4/17

ALPHA Job #: L710104

Client Information

Client: Brinkerhoff Environmental Svcs
Address: 1805 Atlantic Avenue, Manasquan, NJ
Phone: 732-223-2225
Fax: 732-223-3666
Email: sharrison@brinkenv.com

Project Information

Project Name: 255 E. 138th Street
Project Location: 255 E. 138th Street, Bronx NY
Project # 10BR188
(Use Project name as Project #) ☐
Project Manager: Sean Harrison
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

TCL VOCs

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	Sample Specific Comments
10104-01	SMW-1	4/3/17	15:22	GW	MN	X	
02	SMW-2	4/3/17	16:38	GW	MN	X	
03	Trip Blank	4/3/17		TB	MN	X	

Container Type: G
Preservative: HCL

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Monica Norton	4/3/17 16:41	[illegible]/Con-AAL	4/3/17 16:41
[illegible]/Con-AAL	4/3/17 18:40	[illegible]	4-3-17 2200
[illegible]	4/4/17 0215	[illegible]	4/4/17 02:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1718550
Client:	Brinkerhoff Environmental Services, Inc. 1805 Atlantic Ave. Manasquan, NJ 08736
ATTN:	Sean Harrison
Phone:	(732) 223-2225
Project Name:	255 EAST 138TH STREET
Project Number:	10BR188
Report Date:	06/13/17

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188

Lab Number: L1718550
Report Date: 06/13/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1718550-01	SMW-1	WATER	BRONX, NY	06/05/17 09:22	06/06/17
L1718550-02	SMW-2	WATER	BRONX, NY	06/05/17 08:00	06/06/17
L1718550-03	TRIP BLANK	WATER	BRONX, NY	05/30/17 00:00	06/06/17

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550
Project Number: 10BR188 **Report Date:** 06/13/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550
Project Number: 10BR188 **Report Date:** 06/13/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1718550-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/13/17

ORGANICS

VOLATILES

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550

Project Number: 10BR188 **Report Date:** 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-01 D
Client ID: SMW-1
Sample Location: BRONX, NY

Date Collected: 06/05/17 09:22
Date Received: 06/06/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/17 19:27
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	1.1		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	6.7		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550

Project Number: 10BR188 **Report Date:** 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-01 D Date Collected: 06/05/17 09:22

Client ID: SMW-1 Date Received: 06/06/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	10		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	11		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	94		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2
n-Propylbenzene	26		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550

Project Number: 10BR188 **Report Date:** 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-01 D Date Collected: 06/05/17 09:22

Client ID: SMW-1 Date Received: 06/06/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	8.3		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	31		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550

Project Number: 10BR188 **Report Date:** 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-02
Client ID: SMW-2
Sample Location: BRONX, NY

Date Collected: 06/05/17 08:00
Date Received: 06/06/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/17 19:53
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550

Project Number: 10BR188 **Report Date:** 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-02 Date Collected: 06/05/17 08:00

Client ID: SMW-2 Date Received: 06/06/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	5.4		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550

Project Number: 10BR188 **Report Date:** 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-02 Date Collected: 06/05/17 08:00

Client ID: SMW-2 Date Received: 06/06/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	0.83	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188
Lab Number: L1718550
Report Date: 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-03
Client ID: TRIP BLANK
Sample Location: BRONX, NY

Date Collected: 05/30/17 00:00
Date Received: 06/06/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/17 19:01
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550

Project Number: 10BR188 **Report Date:** 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-03 Date Collected: 05/30/17 00:00

Client ID: TRIP BLANK Date Received: 06/06/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1718550

Project Number: 10BR188 **Report Date:** 06/13/17

SAMPLE RESULTS

Lab ID: L1718550-03 Date Collected: 05/30/17 00:00

Client ID: TRIP BLANK Date Received: 06/06/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188
Lab Number: L1718550
Report Date: 06/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/17 11:51
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1011728-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188
Lab Number: L1718550
Report Date: 06/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/17 11:51
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1011728-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188
Lab Number: L1718550
Report Date: 06/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/17 11:51
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1011728-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 EAST 138TH STREET

Project Number: 10BR188

Lab Number: L1718550

Report Date: 06/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1011728-3 WG1011728-4								
Methylene chloride	120		120		70-130	0		20
1,1-Dichloroethane	130		130		70-130	0		20
Chloroform	120		120		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	99		94		63-130	5		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	99		95		70-130	4		20
Chlorobenzene	93		90		75-130	3		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	120		120		67-130	0		20
trans-1,3-Dichloropropene	100		98		70-130	2		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	90		88		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	120		120		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		98		70-130	2		20
Chloromethane	120		120		64-130	0		20
Bromomethane	88		88		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 EAST 138TH STREET

Project Number: 10BR188

Lab Number: L1718550

Report Date: 06/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1011728-3 WG1011728-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	99		110		61-145	11		20
trans-1,2-Dichloroethene	120		120		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	95		95		70-130	0		20
1,3-Dichlorobenzene	97		96		70-130	1		20
1,4-Dichlorobenzene	96		94		70-130	2		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	120		120		70-130	0		20
Dibromomethane	120		110		70-130	9		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	130		130		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	88		88		36-147	0		20
Acetone	100		100		58-148	0		20
Carbon disulfide	130		**160**	Q	51-130	**21**	Q	20
2-Butanone	110		130		63-138	17		20
Vinyl acetate	130		130		70-130	0		20
4-Methyl-2-pentanone	91		89		59-130	2		20
2-Hexanone	81		81		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 EAST 138TH STREET

Project Number: 10BR188

Lab Number: L1718550

Report Date: 06/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1011728-3 WG1011728-4								
Bromochloromethane	120		120		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	97		96		70-130	1		20
1,3-Dichloropropane	110		100		70-130	10		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	93		95		70-130	2		20
n-Butylbenzene	99		99		53-136	0		20
sec-Butylbenzene	96		98		70-130	2		20
tert-Butylbenzene	90		91		70-130	1		20
o-Chlorotoluene	99		98		70-130	1		20
p-Chlorotoluene	96		96		70-130	0		20
1,2-Dibromo-3-chloropropane	89		86		41-144	3		20
Hexachlorobutadiene	84		81		63-130	4		20
Isopropylbenzene	93		92		70-130	1		20
p-Isopropyltoluene	92		92		70-130	0		20
Naphthalene	86		86		70-130	0		20
n-Propylbenzene	97		97		69-130	0		20
1,2,3-Trichlorobenzene	90		90		70-130	0		20
1,2,4-Trichlorobenzene	85		86		70-130	1		20
1,3,5-Trimethylbenzene	97		95		64-130	2		20
1,2,4-Trimethylbenzene	95		95		70-130	0		20
1,4-Dioxane	114		114		56-162	0		20
p-Diethylbenzene	91		89		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 EAST 138TH STREET

Project Number: 10BR188

Lab Number: L1718550

Report Date: 06/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1011728-3 WG1011728-4								
p-Ethyltoluene	95		95		70-130	0		20
1,2,4,5-Tetramethylbenzene	86		85		70-130	1		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		104		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	105		106		70-130

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188

Lab Number: L1718550
Report Date: 06/13/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1718550-01A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718550-01B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718550-01C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718550-02A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718550-02B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718550-02C	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718550-03A	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)
L1718550-03B	Vial HCl preserved	A	N/A	N/A	3.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	255 EAST 138TH STREET	**Lab Number:**	L1718550
Project Number:	10BR188	**Report Date:**	06/13/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	255 EAST 138TH STREET	**Lab Number:**	L1718550
Project Number:	10BR188	**Report Date:**	06/13/17

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	255 EAST 138TH STREET	**Lab Number:**	L1718550
Project Number:	10BR188	**Report Date:**	06/13/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL
Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/6/17

ALPHA Job #: L1718550

Project Information

Project Name: 255 East 138th Street
Project Location: Bronx NY
Project # 10 BR188
(Use Project name as Project #) ☐
Project Manager: Sean Harrison
ALPHAQuote #:

Client Information

Client: Brinkerhoff Environmental
Address: 1805 Atlantic Ave.
Manasquan, NJ 08736
Phone: 732-223-2225
Fax: 732-223-3666
Email: sharrison@brinkenv.com

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC								Sample Specific Comments	Total Bottle
18550-01	SMW-1	6-5-17	9:22	GW	RH	X									
2	SMW-2	↓	8:00	↓	↓	X									
3	Trip Blank	5-30-17		TB	B	X									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V						
Preservative	B						

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Hazard	6/5/17 11:10	Sean Harrison / Alpha	6/6/17 11:10
Sean Harrison / Alpha	6/6/17 15:45	Angel	6/6/17 17:10
Angel	6/6/17 7:10	[illegible]	6/6/17 2:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1727091
Client:	Brinkerhoff Environmental Services, Inc. 1805 Atlantic Ave. Manasquan, NJ 08736
ATTN:	Sean Harrison
Phone:	(732) 223-2225
Project Name:	255 EAST 138TH STREET
Project Number:	10BR188
Report Date:	08/10/17

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188

Lab Number: L1727091
Report Date: 08/10/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1727091-01	SMW-1	WATER	BRONX, NY	08/02/17 09:45	08/04/17
L1727091-02	SMW-2	WATER	BRONX, NY	08/02/17 09:00	08/04/17
L1727091-03	TRIP BLANK	WATER	BRONX, NY	07/31/17 00:00	08/04/17

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188

Lab Number: L1727091
Report Date: 08/10/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	255 EAST 138TH STREET	**Lab Number:**	L1727091
Project Number:	10BR188	**Report Date:**	08/10/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative Date: 08/10/17

ORGANICS

VOLATILES

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-01
Client ID: SMW-1
Sample Location: BRONX, NY

Date Collected: 08/02/17 09:45
Date Received: 08/04/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/08/17 19:57
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.50		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-01 Date Collected: 08/02/17 09:45

Client ID: SMW-1 Date Received: 08/04/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	7.1		ug/l	2.5	0.70	1
tert-Butylbenzene	0.87	J	ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	40		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	1.1	J	ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-01 Date Collected: 08/02/17 09:45

Client ID: SMW-1 Date Received: 08/04/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	7.3		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	27		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-02 Date Collected: 08/02/17 09:00
Client ID: SMW-2 Date Received: 08/04/17
Sample Location: BRONX, NY Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/08/17 20:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-02 Date Collected: 08/02/17 09:00

Client ID: SMW-2 Date Received: 08/04/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	4.9		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-02 Date Collected: 08/02/17 09:00

Client ID: SMW-2 Date Received: 08/04/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.2	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-03
Client ID: TRIP BLANK
Sample Location: BRONX, NY

Date Collected: 07/31/17 00:00
Date Received: 08/04/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/08/17 19:29
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-03 Date Collected: 07/31/17 00:00

Client ID: TRIP BLANK Date Received: 08/04/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 EAST 138TH STREET **Lab Number:** L1727091

Project Number: 10BR188 **Report Date:** 08/10/17

SAMPLE RESULTS

Lab ID: L1727091-03 Date Collected: 07/31/17 00:00

Client ID: TRIP BLANK Date Received: 08/04/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188
Lab Number: L1727091
Report Date: 08/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/08/17 17:39
Analyst: MAB

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1030228-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188
Lab Number: L1727091
Report Date: 08/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/08/17 17:39
Analyst: MAB

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1030228-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188
Lab Number: L1727091
Report Date: 08/10/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/08/17 17:39
Analyst: MAB

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1030228-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 EAST 138TH STREET

Project Number: 10BR188

Lab Number: L1727091

Report Date: 08/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1030228-3 WG1030228-4								
Methylene chloride	91		92		70-130	1		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	97		99		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	96		97		70-130	1		20
Dibromochloromethane	92		95		63-130	3		20
1,1,2-Trichloroethane	96		97		70-130	1		20
Tetrachloroethene	98		100		70-130	2		20
Chlorobenzene	95		98		75-130	3		20
Trichlorofluoromethane	94		97		62-150	3		20
1,2-Dichloroethane	96		98		70-130	2		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	94		95		67-130	1		20
trans-1,3-Dichloropropene	96		97		70-130	1		20
cis-1,3-Dichloropropene	95		96		70-130	1		20
1,1-Dichloropropene	98		100		70-130	2		20
Bromoform	90		94		54-136	4		20
1,1,2,2-Tetrachloroethane	97		98		67-130	1		20
Benzene	93		95		70-130	2		20
Toluene	96		97		70-130	1		20
Ethylbenzene	98		100		70-130	2		20
Chloromethane	87		88		64-130	1		20
Bromomethane	84		86		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 EAST 138TH STREET

Project Number: 10BR188

Lab Number: L1727091

Report Date: 08/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1030228-3 WG1030228-4								
Vinyl chloride	93		96		55-140	3		20
Chloroethane	90		93		55-138	3		20
1,1-Dichloroethene	92		95		61-145	3		20
trans-1,2-Dichloroethene	92		95		70-130	3		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	96		98		70-130	2		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	97		99		70-130	2		20
Methyl tert butyl ether	91		94		63-130	3		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	95		96		70-130	1		20
Dibromomethane	93		94		70-130	1		20
1,2,3-Trichloropropane	98		100		64-130	2		20
Acrylonitrile	97		100		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	100		110		36-147	10		20
Acetone	93		90		58-148	3		20
Carbon disulfide	88		89		51-130	1		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	93		95		70-130	2		20
4-Methyl-2-pentanone	87		91		59-130	4		20
2-Hexanone	94		96		57-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 EAST 138TH STREET

Project Number: 10BR188

Lab Number: L1727091

Report Date: 08/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1030228-3 WG1030228-4								
Bromochloromethane	97		98		70-130	1		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	89		89		70-130	0		20
1,3-Dichloropropane	95		96		70-130	1		20
1,1,1,2-Tetrachloroethane	97		97		64-130	0		20
Bromobenzene	97		97		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	96		94		41-144	2		20
Hexachlorobutadiene	96		97		63-130	1		20
Isopropylbenzene	99		100		70-130	1		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	95		97		70-130	2		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	94		96		70-130	2		20
1,2,4-Trichlorobenzene	96		98		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	99		100		70-130	1		20
1,4-Dioxane	94		96		56-162	2		20
p-Diethylbenzene	98		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 EAST 138TH STREET

Project Number: 10BR188

Lab Number: L1727091

Report Date: 08/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1030228-3 WG1030228-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	97		98		70-130	1		20
Ethyl ether	88		90		59-134	2		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	99		98		70-130

Project Name: 255 EAST 138TH STREET
Project Number: 10BR188

Lab Number: L1727091
Report Date: 08/10/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1727091-01A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L1727091-01B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L1727091-01C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L1727091-02A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L1727091-02B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L1727091-02C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L1727091-03A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L1727091-03B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	255 EAST 138TH STREET	**Lab Number:**	L1727091
Project Number:	10BR188	**Report Date:**	08/10/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	255 EAST 138TH STREET	**Lab Number:**	L1727091
Project Number:	10BR188	**Report Date:**	08/10/17

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	255 EAST 138TH STREET	**Lab Number:**	L1727091
Project Number:	10BR188	**Report Date:**	08/10/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/4/17

ALPHA Job #: L1727091

Client Information

Client: Brinkerhoff Environmental
Address: 1805 Atlantic Ave, Manasquan, NJ 08736
Phone: 732-223-2225
Fax: 732-223-3666
Email: sharrison@brinkenv.com

Project Information

Project Name: 255 East 138th Street
Project Location: Bronx, NY
Project # 10BR188
(Use Project name as Project #) ☐
Project Manager: Sean Harrison
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC								Sample Specific Comments	Total Bottle
27091-01	SMW-1	8-2-17	9:45	GW	RH	X									
02	SMW-2	↓	9:00	GW	RH	X									
	Trip Blank	7-31-17	—	TB	RS	X									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V							
Preservative	B							

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Hazard	8/2/17 8:01	[signature] AAL	8/4/17 8:00
[signature] AAL	8/4/17 13:45	Angel B AAL	8/4 1745
Angel B AAL	8/4 2210	[signature] MCL	8/4/17 2210

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1743119
Client:	Brinkerhoff Environmental Services, Inc. 1805 Atlantic Ave. Manasquan, NJ 08736
ATTN:	Rob Hazard
Phone:	(732) 223-2225
Project Name:	255 E. 138TH STREET
Project Number:	10BR188
Report Date:	12/05/17

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1743119
Report Date: 12/05/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1743119-01	SMW-1	WATER	BRONX, NY	11/21/17 09:30	11/22/17
L1743119-02	SMW-2	WATER	BRONX, NY	11/21/17 08:15	11/22/17
L1743119-03	TRIP BLANK	WATER	BRONX, NY	11/17/17 00:00	11/22/17

Project Name: 255 E. 138TH STREET **Lab Number:** L1743119
Project Number: 10BR188 **Report Date:** 12/05/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	255 E. 138TH STREET	**Lab Number:**	L1743119
Project Number:	10BR188	**Report Date:**	12/05/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 12/05/17

ORGANICS

VOLATILES

Project Name: 255 E. 138TH STREET
Project Number: 10BR188
Lab Number: L1743119
Report Date: 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-01
Client ID: SMW-1
Sample Location: BRONX, NY

Date Collected: 11/21/17 09:30
Date Received: 11/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/17 12:32
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.2		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1743119

Project Number: 10BR188 **Report Date:** 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-01 Date Collected: 11/21/17 09:30

Client ID: SMW-1 Date Received: 11/22/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	3.5		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	25		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1743119

Project Number: 10BR188 **Report Date:** 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-01 Date Collected: 11/21/17 09:30

Client ID: SMW-1 Date Received: 11/22/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	3.8		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	2.3		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: 255 E. 138TH STREET
Project Number: 10BR188
Lab Number: L1743119
Report Date: 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-02
Client ID: SMW-2
Sample Location: BRONX, NY

Date Collected: 11/21/17 08:15
Date Received: 11/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/01/17 13:00
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1743119

Project Number: 10BR188 **Report Date:** 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-02 Date Collected: 11/21/17 08:15

Client ID: SMW-2 Date Received: 11/22/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	4.7		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1743119

Project Number: 10BR188 **Report Date:** 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-02 Date Collected: 11/21/17 08:15

Client ID: SMW-2 Date Received: 11/22/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.6	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Project Name: 255 E. 138TH STREET
Project Number: 10BR188
Lab Number: L1743119
Report Date: 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-03
Client ID: TRIP BLANK
Sample Location: BRONX, NY

Date Collected: 11/17/17 00:00
Date Received: 11/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/29/17 14:01
Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1743119

Project Number: 10BR188 **Report Date:** 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-03 Date Collected: 11/17/17 00:00

Client ID: TRIP BLANK Date Received: 11/22/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 255 E. 138TH STREET **Lab Number:** L1743119

Project Number: 10BR188 **Report Date:** 12/05/17

SAMPLE RESULTS

Lab ID: L1743119-03 Date Collected: 11/17/17 00:00

Client ID: TRIP BLANK Date Received: 11/22/17

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	91		70-130

Project Name: 255 E. 138TH STREET
Project Number: 10BR188
Lab Number: L1743119
Report Date: 12/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/29/17 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1067184-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 255 E. 138TH STREET
Project Number: 10BR188
Lab Number: L1743119
Report Date: 12/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/29/17 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1067184-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 255 E. 138TH STREET
Project Number: 10BR188
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Report Date: 12/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/29/17 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1067184-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	0.76	J	ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	0.55	J	ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds			
Total TIC Compounds	1.08	J	ug/l
Sulfur Dioxide	1.08	NJ	ug/l

Project Name: 255 E. 138TH STREET
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/29/17 09:23
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1067184-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1743119
Report Date: 12/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/01/17 10:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1068210-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1743119
Report Date: 12/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/01/17 10:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1068210-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1743119
Report Date: 12/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/01/17 10:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1068210-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1743119
Report Date: 12/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1067184-3 WG1067184-4								
Methylene chloride	92		90		70-130	2		20
1,1-Dichloroethane	95		95		70-130	0		20
Chloroform	90		90		70-130	0		20
Carbon tetrachloride	83		80		63-132	4		20
1,2-Dichloropropane	95		94		70-130	1		20
Dibromochloromethane	85		82		63-130	4		20
1,1,2-Trichloroethane	97		97		70-130	0		20
Tetrachloroethene	81		80		70-130	1		20
Chlorobenzene	92		90		75-130	2		20
Trichlorofluoromethane	93		91		62-150	2		20
1,2-Dichloroethane	94		92		70-130	2		20
1,1,1-Trichloroethane	88		86		67-130	2		20
Bromodichloromethane	86		85		67-130	1		20
trans-1,3-Dichloropropene	83		81		70-130	2		20
cis-1,3-Dichloropropene	80		78		70-130	3		20
1,1-Dichloropropene	90		89		70-130	1		20
Bromoform	84		82		54-136	2		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	95		94		70-130	1		20
Toluene	95		94		70-130	1		20
Ethylbenzene	95		94		70-130	1		20
Chloromethane	110		110		64-130	0		20
Bromomethane	91		90		39-139	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

Project Number: 10BR188

Lab Number: L1743119

Report Date: 12/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1067184-3 WG1067184-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	99		98		61-145	1		20
trans-1,2-Dichloroethene	91		90		70-130	1		20
Trichloroethene	87		89		70-130	2		20
1,2-Dichlorobenzene	92		89		70-130	3		20
1,3-Dichlorobenzene	92		90		70-130	2		20
1,4-Dichlorobenzene	89		87		70-130	2		20
Methyl tert butyl ether	98		91		63-130	7		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	88		91		70-130	3		20
Dibromomethane	86		85		70-130	1		20
1,2,3-Trichloropropane	99		93		64-130	6		20
Acrylonitrile	92		90		70-130	2		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	100		99		36-147	1		20
Acetone	83		80		58-148	4		20
Carbon disulfide	97		96		51-130	1		20
2-Butanone	82		87		63-138	6		20
Vinyl acetate	77		75		70-130	3		20
4-Methyl-2-pentanone	85		85		59-130	0		20
2-Hexanone	65		62		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

Project Number: 10BR188

Lab Number: L1743119

Report Date: 12/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1067184-3 WG1067184-4								
Bromochloromethane	90		90		70-130	0		20
2,2-Dichloropropane	92		88		63-133	4		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	95		93		70-130	2		20
1,1,1,2-Tetrachloroethane	87		86		64-130	1		20
Bromobenzene	90		89		70-130	1		20
n-Butylbenzene	88		87		53-136	1		20
sec-Butylbenzene	82		81		70-130	1		20
tert-Butylbenzene	82		81		70-130	1		20
o-Chlorotoluene	98		98		70-130	0		20
p-Chlorotoluene	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	76		71		41-144	7		20
Hexachlorobutadiene	93		89		63-130	4		20
Isopropylbenzene	86		85		70-130	1		20
p-Isopropyltoluene	83		83		70-130	0		20
Naphthalene	74		**63**	Q	70-130	16		20
n-Propylbenzene	96		95		69-130	1		20
1,2,3-Trichlorobenzene	91		73		70-130	**22**	Q	20
1,2,4-Trichlorobenzene	84		76		70-130	10		20
1,3,5-Trimethylbenzene	97		97		64-130	0		20
1,2,4-Trimethylbenzene	89		88		70-130	1		20
1,4-Dioxane	110		100		56-162	10		20
p-Diethylbenzene	81		79		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

Project Number: 10BR188

Lab Number: L1743119

Report Date: 12/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1067184-3 WG1067184-4								
p-Ethyltoluene	94		93		70-130	1		20
1,2,4,5-Tetramethylbenzene	76		73		70-130	4		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	84		74		70-130	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	94		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1743119
Report Date: 12/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1068210-3 WG1068210-4								
Methylene chloride	90		91		70-130	1		20
1,1-Dichloroethane	90		91		70-130	1		20
Chloroform	84		84		70-130	0		20
Carbon tetrachloride	74		73		63-132	1		20
1,2-Dichloropropane	92		94		70-130	2		20
Dibromochloromethane	82		87		63-130	6		20
1,1,2-Trichloroethane	91		93		70-130	2		20
Tetrachloroethene	84		84		70-130	0		20
Chlorobenzene	90		90		75-130	0		20
Trichlorofluoromethane	73		72		62-150	1		20
1,2-Dichloroethane	81		82		70-130	1		20
1,1,1-Trichloroethane	77		77		67-130	0		20
Bromodichloromethane	81		81		67-130	0		20
trans-1,3-Dichloropropene	84		87		70-130	4		20
cis-1,3-Dichloropropene	83		84		70-130	1		20
1,1-Dichloropropene	81		81		70-130	0		20
Bromoform	87		89		54-136	2		20
1,1,2,2-Tetrachloroethane	97		98		67-130	1		20
Benzene	88		88		70-130	0		20
Toluene	91		91		70-130	0		20
Ethylbenzene	90		90		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	65		66		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

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Report Date: 12/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1068210-3 WG1068210-4								
Vinyl chloride	90		88		55-140	2		20
Chloroethane	76		76		55-138	0		20
1,1-Dichloroethene	76		76		61-145	0		20
trans-1,2-Dichloroethene	84		84		70-130	0		20
Trichloroethene	82		83		70-130	1		20
1,2-Dichlorobenzene	95		94		70-130	1		20
1,3-Dichlorobenzene	96		94		70-130	2		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	79		81		63-130	3		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	85		86		70-130	1		20
Dibromomethane	83		85		70-130	2		20
1,2,3-Trichloropropane	94		96		64-130	2		20
Acrylonitrile	110		110		70-130	0		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	72		70		36-147	3		20
Acetone	130		130		58-148	0		20
Carbon disulfide	74		74		51-130	0		20
2-Butanone	120		120		63-138	0		20
Vinyl acetate	91		93		70-130	2		20
4-Methyl-2-pentanone	92		98		59-130	6		20
2-Hexanone	95		100		57-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1743119
Report Date: 12/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1068210-3 WG1068210-4								
Bromochloromethane	88		87		70-130	1		20
2,2-Dichloropropane	77		76		63-133	1		20
1,2-Dibromoethane	86		88		70-130	2		20
1,3-Dichloropropane	92		94		70-130	2		20
1,1,1,2-Tetrachloroethane	84		86		64-130	2		20
Bromobenzene	93		92		70-130	1		20
n-Butylbenzene	91		85		53-136	7		20
sec-Butylbenzene	89		87		70-130	2		20
tert-Butylbenzene	76		75		70-130	1		20
o-Chlorotoluene	95		93		70-130	2		20
p-Chlorotoluene	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	94		95		41-144	1		20
Hexachlorobutadiene	94		89		63-130	5		20
Isopropylbenzene	93		92		70-130	1		20
p-Isopropyltoluene	87		84		70-130	4		20
Naphthalene	110		110		70-130	0		20
n-Propylbenzene	95		93		69-130	2		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		99		70-130	1		20
1,3,5-Trimethylbenzene	93		91		64-130	2		20
1,2,4-Trimethylbenzene	94		92		70-130	2		20
1,4-Dioxane	120		128		56-162	6		20
p-Diethylbenzene	89		83		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 255 E. 138TH STREET

Project Number: 10BR188

Lab Number: L1743119

Report Date: 12/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1068210-3 WG1068210-4								
p-Ethyltoluene	93		91		70-130	2		20
1,2,4,5-Tetramethylbenzene	120		120		70-130	0		20
Ethyl ether	83		82		59-134	1		20
trans-1,4-Dichloro-2-butene	98		100		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		92		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	98		96		70-130
Dibromofluoromethane	93		94		70-130

Project Name: 255 E. 138TH STREET
Project Number: 10BR188

Lab Number: L1743119
Report Date: 12/05/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1743119-01A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1743119-01B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1743119-01C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1743119-02A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1743119-02B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1743119-02C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1743119-03A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1743119-03B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	255 E. 138TH STREET	**Lab Number:**	L1743119
Project Number:	10BR188	**Report Date:**	12/05/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	255 E. 138TH STREET	**Lab Number:**	L1743119
Project Number:	10BR188	**Report Date:**	12/05/17

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	255 E. 138TH STREET	**Lab Number:**	L1743119
Project Number:	10BR188	**Report Date:**	12/05/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/22/17

ALPHA Job #: L1743119

Client Information
Client: Brinkerhoff
Address: 1805 Atlantic Ave.
Manasquan, NJ 08736
Phone: 732-223-2225
Fax: 732-223-3666
Email: rhazard@brinkenv.com

Project Information
Project Name: 255 E. 138th Street
Project Location: Bronx, NY
Project # 10312158
(Use Project name as Project #) ☐
Project Manager: Robert Hazard
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC	Total Bottle	Sample Specific Comments
43119 - 01	SMW-1	11-21-17	9:30	GW	RH	X		
02	SMW-2	↓	8:15	↓	RH	X		
03	Trip Blank	11-17-17	—	W		X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

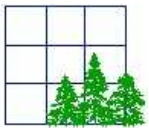
Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V											
Preservative	B											

Relinquished By:	Date/Time	Received By:	Date/Time
Robert Hazard	11/21/17	AAL	11/22/17 11:25
AAL	11/22/17 16:45		11/22/17 16:45
	11/22/17 23:01		11/22/17 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)



APPENDIX VI

EXCAVATION WORK PLAN (EWP)

Contaminated soil remains in the Track 4 and Track 2 Remedial Areas under the Site building. Therefore, to the extent any future excavation will impact these areas of the site, this EWP will apply.

[VI]-1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the site owner or their representative will notify the New York State Department of Environmental Conservation (NYSDEC). The table below includes contact information for the above notification. The information on this table will be updated as necessary to provide accurate contact information. A full listing of site-related contact information is provided in **Appendix II** of the Site Management Plan.

Notifications* Table

Name	**Contact Information**
Bryan Wong	yukyin.wong@dec.ny.gov
Jane O'Connell	jane.oconnell@dec.ny.gov
Kelly Lewandowski	kelly.lewandowski@dec.ny.gov

* Note: Notifications are subject to change and will be updated as necessary.

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent of excavation, plans/drawings for site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;

- A summary of environmental conditions anticipated to be encountered in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;

- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- A copy of the health and safety plan (HASP), in electronic format, is provided in **Appendix VII** of this Site Management Plan (SMP);
- Identification of disposal facilities for potential waste streams; and
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

[VI]-2 SOIL SCREENING METHODS

Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening will be performed by a qualified environmental professional during all excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed when invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the Certificate of Completion.

Soils will be segregated based on previous environmental data and screening results into material that requires off-site disposal and material that requires testing to determine if the material can be reused on-site as soil beneath a cover or if the material can be used as cover soil. Further discussion of off-site disposal of materials and on-site reuse is provided in Section 4 of this Appendix.

[VI]-3 SOIL STAGING METHODS

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. All

undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Silt fencing or hay bales will be installed around the entire perimeter of the remedial construction area.

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC.

[VI]-4 MATERIALS EXCAVATION AND LOAD-OUT

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and remedial party (if applicable) and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the site.

Loaded vehicles leaving the site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and New York State Department of Transportation (NYSDOT) requirements (and all other applicable transportation requirements).

A truck wash will be operated on-site, as appropriate. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the site until the activities performed under this section are complete. Truck wash waters will be collected and disposed of off-site in an appropriate manner.

Locations where vehicles enter or exit the site shall be inspected daily for evidence of off-site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

[VI]-5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used.

Truck transport routes are as follows: head northwest on E. 138th Street toward Rider Ave, turn right onto Gerard Ave, take the I-87 N/Major Deegan Expressway ramp on the left to Albany, merge onto I-87, take exit 7S and merge onto I-95 South towards the George Washington Bridge to New Jersey. All trucks loaded with site materials will exit the vicinity of the site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; (f) overall safety in transport; and (g) community input.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project site. Egress points for truck and equipment transport from the site will be kept clean of dirt and other materials during site remediation and development. Queuing of trucks will be performed on-site in order to minimize off-site disturbance. Off-site queuing will be prohibited.

[VI]-6 MATERIALS DISPOSAL OFF-SITE

All material excavated and removed from the Track 4 and under the Track 2 areas on the site will be treated as contaminated and regulated material and will be transported and disposed

in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of material from this site is proposed for unregulated off-site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-site management of materials from this site will not occur without formal NYSDEC approval.

Off-site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

[VI]-7 MATERIALS REUSE ON-SITE

Soil originating from the site may be reused on the site if sampling of the soil demonstrates compliance with the NYSDEC Restricted-Residential Use (Track 2) Soil Cleanup Objectives (SCOs).

The qualified environmental professional will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps,

etc.) or other solid waste derived from clearing and grubbing of the site will not be reused on-site.

[VI]-8 FLUIDS MANAGEMENT

All liquids to be removed from the site, including but not limited to, excavation dewatering, decontamination waters and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Liquids discharged into the New York City sewer system will receive prior approval by the New York City Department of Environmental Protection (NYCDEP). The NYCDEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York, Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYCDEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the site, and will be managed off-site, unless prior approval is obtained from NYSDEC.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

[VI]-9 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities in the Track 1, 2, and 4 Areas, the cover system will be restored in a manner that complies with the RAWP and Decision Document. The existing Track 4 Remedial Area cover system is comprised of at a minimum, a four (4) to six (6)-inch concrete slab and an approximate one (1) to two (2)-foot layer of recycled concrete aggregate (RCA) and/or virgin quarry stone. As part of development, the Track 4 Remedial Area cover system overlies the second engineering control that serves the Track 4 and Track 2 Areas of the Site, the vapor barrier membrane. The demarcation layer, consisting of the Preprufe 300R waterproofing/vapor barrier membrane will be replaced to provide a visual reference to the top of the remaining contamination zone, the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this

SMP. If the type of cover system changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in an updated SMP.

[VI]-10 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the site will be approved by the qualified environmental professional and will be in compliance with provisions in this SMP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, which can be found at http://www.dec.ny.gov/regulations/67386.html, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards are listed in Table 375-6.8(b). Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste will not be imported onto the site.

Trucks entering the site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

[VI]-11 STORMWATER POLLUTION PREVENTION

Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. All necessary repairs shall be made immediately.

Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.

All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.

Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.

Silt fencing or hay bales will be installed around the entire perimeter of the construction area.

[VI]-12 EXCAVATION CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals; TCL volatiles and semi-volatiles, TCL pesticides and PCBs), unless the site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the Periodic Review Report.

[VI]-13 OTHER NUISANCES

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and, (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and, (e) use of chemical

odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. NYSDEC will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP certifying the FER.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

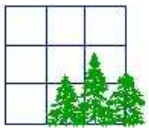
- Use of a dedicated water spray methodology for roads, excavation areas, and stockpiles;
- Use of properly anchored tarps to cover stockpiles;
- Exercise of extra care during dry and high-wind periods; and,
- Use of gravel or RCA on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling dust generation. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. NYSDEC will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP responsible for certifying the FER.

Other Nuisance Controls

A plan for rodent control will be developed and utilized by the contractor prior to and during site clearing and site grubbing, and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work to ensure compliance with local noise control ordinances.



APPENDIX VII

SITE-SPECIFIC HEALTH AND SAFETY PLAN

255 East 138th Street
Bronx, New York

1.0 INTRODUCTION

This Site-Specific Health and Safety Plan (HASP) was prepared in accordance with the requirements and guidelines of the applicable Occupational Safety and Health Administration (OSHA) requirements in 29 Code of Federal Regulations (CFR) Part 1910.120. This HASP has been prepared for the property at 255 East 138th Street, Bronx, New York. The HASP will be available for inspection and review by site workers and regulatory personnel during work activities involving the installation of monitoring wells, soil vapor sampling and structural support work related to retaining wall repair. Site workers are required to comply with this HASP when conducting the site activities listed in Section 2.0. Site workers will notify the Site Safety Officer of matters regarding health, safety, and security.

All personnel and subcontractors must familiarize themselves with material contained herein, including special conditions and facilities located near each project as listed on the following pages. The information contained in this HASP pertains to the installation of soil borings and the collection of soil and groundwater samples for laboratory analysis.

2.0 ENTRY OBJECTIVES

The objective of entry to the Work Area is to conduct support of excavation operations, conduct dewatering, excavation, and transportation of contaminated soil to an off-site disposal facility, and conduct environmental monitoring, oversight and sampling. Soil has been documented to be impacted by contaminants associated with urban historic fill and petroleum-related compounds associated with the former use of the site as gasoline service stations. Work performed at the site will be done in accordance with 29 CFR 1926, Subpart P, and all other appropriate federal and state regulations.

3.0 ON-SITE ORGANIZATION AND COORDINATION

Key project personnel and their responsibilities to carry out the stated job function at the site are discussed below.

Brinkerhoff Environmental Services, Inc. (Brinkerhoff) will provide health and safety support associated with environmental issues. The contact information for the designated person to provide Health and Safety support for this project is:

Sean Harrison, Project Manager
Brinkerhoff Environmental Services, Inc.
1805 Atlantic Avenue
Manasquan, New Jersey 08736
Phone: (732) 223-2225 Fax: (732) 223-3666

The contact information for the Construction Health and Safety Officer for overall administration of this HASP during installation of piles and footings is outlined below. The Construction Health and Safety Officer's responsibilities will include overall project safety and health monitoring for the work to be performed. The Construction Health and Safety Officer will enforce and audit the effectiveness of the HASP on a continuing basis and make changes to ensure that the intent of the HASP is maintained. The Construction Health and Safety Officer will be determined prior to beginning construction operations at the site.

Roger Pine
East 138th Street, LLC
334-336 East 110th Street, New York, NY 10029
Office: 212-966-6640

4.0 ON-SITE CONTROL

Excavating Precautions (Utilities)

1. A utility markout of all underground utilities will be completed prior to the inception of ground-intrusive work, in compliance with 29 CFR 1926.651. The utility markout will utilize the One Call system prior to the commencement of operations at the site. Work will commence less than 10 business days after contacting the One Call system.
2. Visually inspect all utility markout locations on site.
3. Operations in the vicinity of overhead power lines will be conducted in accordance with 29 CFR 1910.333 (c)(3).
4. Conduct all excavations and subsequent soil sampling in the vicinity of a utility with caution.
5. If a utility line is damaged, call the utility company immediately.

Dust Prevention and Control (Track out onto Paved Public Roadways)

1. Vehicles leaving the site should be cleaned/decontaminated prior to exiting.
2. Promptly remove mud, dirt, or similar debris from the paved road.
3. Water flush and/or vacuum sweep the paved road.
4. Prepare unpaved site ingress and egress points by applying gravel to the surface to control track out and erosion.
5. The surface of the ingress and egress points must be kept adequately wet with water.

Dust Prevention and Control (General Procedures for Unpaved Areas)

1. Apply gravel to entrance, exit, and other areas of the site that are likely to see heavy vehicular traffic.
2. Limit vehicle traffic to required vehicles.
3. Limit vehicle speeds on unpaved areas of the site. Placement of signs near the site entrance that denote site speed restrictions is advised.
4. Apply sufficient water to unpaved surfaces that are likely to be disturbed to keep them adequately wet. According to 40 CFR Part 61, adequately wet means sufficiently mixed or penetrated with liquid to prevent the release of particulates. Visibly detectable dust emissions are the primary indication that the unpaved work area has not been kept adequately wet.

Dust Prevention and Control (Procedures for Grading and Excavation)

1. When soil is to be moved or stockpiled, the drop height of the soil should be reduced as much as possible.
2. Limit the height of soil stockpiles.
3. Limit the disturbance of soil stockpiles.
4. Keep the surface of stockpiles adequately wet.
5. All stockpiled soil shall be covered with plastic sheeting or other suitable cover material.
6. RECORD AND MONITOR ALL DUST PREVENTION/CONTROL ACTIVITIES. Recording this information will provide a superior method of monitoring and evaluating the success of the dust prevention and control plan.

In the event that visible dust is observed, associated work activities are to stop immediately and measures to mitigate will commence as soon as possible (i.e., wetting down material with water).

5.0 HAZARD EVALUATION

5.1 Environmental Hazards

At present, suspected contaminants in the subsurface soil constitute an environmental hazard. Various chemical compounds have been identified in the soil at low concentrations. If encountered in the soil at higher concentrations than anticipated, exposure concerns could become a health issue. The following are known or suspected to be present at the site.

5.1.1 Volatile Organic Compounds (VOCs)

Volatile organic compounds (VOCs) such as benzene, toluene, ethylbenzene, xylenes (BTEX) and tetrachloroethene (PCE) have been identified in the soil vapor samples at the site. BTEX compounds were also detected in the groundwater beneath the site. Although soil sampling did not identify these compounds at elevated concentrations, should VOCs be detected during excavation, monitoring of the air using a photoionization detector (PID) will be performed. VOCs may cause chronic liver and kidney damage, and some are suspected human carcinogens. Benzene is a suspected human carcinogen. Acute exposure may include headache, dizziness, nausea, and skin and eye irritation. The primary route of exposure to VOCs is through inhalation; therefore, air monitoring and respiratory protection are the primary controls against exposure to VOCs.

5.1.2 Urban Historic Fill Compounds

Urban historic fill has been identified on the property. The urban historic fill is impacted with polynuclear aromatic hydrocarbons (PAHs) and metals. PAHs, arsenic, mercury, copper, lead, nickel, and zinc were detected over the New York State Department of Conservation's (NYSDEC's) Subpart 375-6 Track 2 Remedial Cleanup Objectives (RCO) in soil samples collected from the site.

5.2 Physical Hazards

The work to be completed at the site in conjunction with this HASP consists of installation of wells, piles, and excavation for the installation of footings. Additional physical hazards expected on site include buried utilities, slip, trip, and fall hazards, and hazards associated with heavy machinery.

6.0 HAZARD MONITORING

6.1 Air Monitoring Using a PID

Air monitoring and visual inspection of soil during excavation will be conducted. A PID will be used to screen both the soil and ambient air for the presence of VOCs.

The following are the Short Term (ST) Exposure Limits on a 15-minute time weighted average and the Immediate Danger to Life and Health (IDLH) conditions for VOCs which may be present in the subsurface soil. The levels are presented in parts per million (ppm).

Compound	ST	IDLH
Benzene	5 ppm	500 ppm
Ethyl benzene	100 ppm	500 ppm
Toluene	150 ppm	500 ppm
Xylenes	150 ppm	900 ppm

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area exceeds five (5) ppm above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below five (5) ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of five (5) ppm over background, but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less (but in no case less than 20 feet), is below five (5) ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shut down.

All 15-minute readings will be recorded and be available for review. Instantaneous readings, if any, used for decision purposes will also be recorded.

6.2 Air Monitoring Using a Dust Trak Monitor

Particulate concentrations will be monitored both in the upwind and downwind directions at temporary particulate monitoring stations. The particulate monitoring will be performed using

real-time monitoring equipment such as the Dust Trak Aerosol Monitor, Model 8530, capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a reevaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for review.

6.3 Personal Protective Equipment (PPE)

Based upon evaluation of potential hazards, the following levels of personal protection have been designated for the Work Area:

Location	Job Function	Level of Protection
Entire Site	Soil/Groundwater sampling	A B C D

If VOCs are detected which indicate a need to upgrade the PPE, the Health and Safety Officer will stop all work and evaluate the level of protection required to complete the project. A determination will be made regarding the safety of the situation and the type of PPE that will be required. *At no time will work be conducted in an environment where an IDLH condition could be present.*

The following is the monitoring level for which a change in the level of protection or evacuation of the work area would be implemented. If the work area is evacuated, procedures such as the use of ventilation would be utilized if possible to lower monitoring levels to below the threshold for raising the level of protection.

PID 150 ppm

It should be noted that the work proposed will not be performed in a level of PPE other than Level D. Procedures would have to be put in place to lower the PPE requirement to Level D, should conditions suggest an increase in the level of PPE required.

Precautions will be implemented to limit direct contact with the soil or inhalation of dust. At a minimum, nitrile gloves are to be worn when handling soil, dust control procedures used if necessary, and thorough hand washing prior to handing food.

Specific protective equipment for potential levels of protection is as follows:

6.3.l Levels A & B

Since levels A & B are for IDLH environments, they are not applicable to this project.

6.3.2 Level C

The concentration(s) and type(s) of airborne substance(s) is (are) known and the criteria for using air-purifying respirators are met. The following constitute Level C equipment:

- National Institute for Occupational Safety and Health (NIOSH)-approved full-face or half-face air purifying respirators;
- Chemical-resistant clothing (overalls, chemical-splash suit, disposable chemical-resistant overalls);
- Gloves, outer and inner, chemical-resistant;
- Boots, outer, chemical-resistant, with steel toe and shank;
- Optional chemical resistant boot covers;
- Hard hat;
- Safety glasses with side shields;
- Face shield and safety glasses when not wearing a full face respirator; and,
- Hearing protection when working in noise hazardous areas or near operating heavy equipment.

6.3.3 Level D

A work uniform providing no respiratory protection is used only for prevention of skin contamination. The following constitute Level D equipment:

- Coveralls or other skin-protective clothing (long-sleeve shirts and long pants);
- Gloves;
- Boots or shoes, chemical-resistant, steel toe and shank;
- Optional chemical resistant boot covers;
- Safety glasses or chemical splash goggles;
- Hard hat;
- Hearing protection when working in noise-hazardous areas or near operating heavy equipment; and,
- High-visibility safety vest.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE CONSTRUCTION SITE SAFETY OFFICER.

7.0 COMMUNICATION PROCEDURES

The following standard hand signals will be used in case of emergency:

Message	Interpretation(s)
Hands gripping throat	Out of air; can't breathe.
Grip partner's wrist	Leave area immediately.
Hands on top of head	Need assistance.
Thumbs up	OK; I am all right; I understand.
Thumbs down	No; Negative.

8.0 DECONTAMINATION PROCEDURES

Should hazardous materials be encountered, a decontamination procedure will be implemented. Generated waste, such as disposable PPE, will be disposed of in accordance with applicable local, state, and federal regulations. The decontamination protocol shall be used with the following decontamination stations:

(1) Equipment drop;
(2) Detergent and water rinse (optional); and,
(3) Remove PPE (if utilized) and place in waste container.

Decontamination of equipment is not anticipated to be required for this project.

9.0 MEDICAL MONITORING

As per 29 CFR 1910.120 (b)(4)(ii)(D) and in accordance with 29 CFR 1910.120 (f), persons engaging in on-site activities during which they are or may be exposed to hazardous substances or health hazards at or above the permissible exposure limits or published exposure levels for 30 days or more a year are included in a Medical Surveillance Program.

The timing and location of this project may be such that heat/cold stress could pose a threat to the health and safety of site personnel. Work/rest regimens will be employed as deemed necessary by the Site Safety Officer so site workers do not suffer adverse effects from heat/cold stress. Special clothing and an appropriate diet and fluid intake will be recommended to all on-site personnel to further reduce these temperature-related hazards. Site workers should stop work and notify the Site Safety Officer when they observe symptoms of heat/cold stress in themselves or co-workers.

9.1 Heat Stress Monitoring

Heat stress monitoring of personnel wearing protective clothing (i.e., impermeable fabric) should be considered when the ambient temperature is 70 degrees Fahrenheit or above. To monitor the worker, one of the following methods should be employed:

- Heart rate should be measured by the radial pulse for a 30-second period as early as possible in the rest period. If the heart rate exceeds 110 beats per minute, shorten the

next work cycle by one-third (0.3) and keep the rest period the same. If the heart rate still exceeds 110 beats per minute at the next rest period, shorten the following cycle by one-third (0.3).

- Oral temperature should be measured at the end of the work period (before drinking). If oral temperature exceeds 99.6 degrees Fahrenheit, shorten the next work cycle by one-third (0.3) without changing the rest period. If the oral temperature still exceeds 99.6 degrees Fahrenheit at the beginning of the next rest period, shorten the next work cycle by one-third (0.3). Do not permit a worker to wear a semipermeable or impermeable garment when his/her oral temperature exceeds 100.6 degrees Fahrenheit.

9.2 Cold Stress Monitoring

Work/rest schedules must be altered to minimize the potential for cold stress. Cold stress is defined as a decrease in core body temperature to 96.8 degrees Fahrenheit and/or cold injury to body extremities. Decreases in core body temperature are associated with reduced mental alertness, reduction in rational decision-making, or loss of consciousness in severe cases. Symptoms of cold stress include pain in extremities (i.e., hands and feet) and severe shivering.

10.0 MEDICAL EMERGENCIES

10.1 Emergency Medical Care

- First Aid & Rescue Squad (Call 911)
- Lincoln Hospital, 235 East 149th Street, Bronx, New York
- Phone: 718-579-5000

10.2 Directions to Lincoln Hospital

Driving directions are attached to this HASP.

10.3 List of Emergency Phone Numbers

Agency/Facility	Phone Number
All Services	911
Police	911
Fire Emergency	911
Lincoln Hospital	718-579-5000

10.4 First Aid Equipment

First aid equipment is available on site at the following locations:

Equipment	Location
First Aid Kit	Field Vehicle
Fire Extinguisher	Field Vehicle

11.0 EMERGENCY PROCEDURES

On-site personnel will use the following standard emergency procedures. The Construction Health and Safety Officer shall be notified of on-site emergencies and be responsible for ensuring that the appropriate procedures are followed.

11.1 Personnel Injury in the Work Area

Upon notification of an injury in the Work Area, the Construction Health and Site Safety Officer will assess the nature of the injury. For a true emergency, 911 shall be called and local emergency services personnel shall initiate the appropriate first aid and contact the designated medical facility, if required.

If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue with the local emergency services personnel initiating the appropriate first aid and necessary follow-up, as stated above. If the injury increases the risk to others, the designated emergency signal shall be sounded and all site personnel shall move to the site entrance for further instructions. Activities on site will stop until the added risk is removed or minimized. No persons shall reenter the Work Area until the cause of the symptoms or injury is determined by the Construction Health and Safety Officer.

11.2 Fire/Explosion

Upon notification of a fire or explosion on site, the designated emergency signal (three [3] horn blasts) shall be sounded, and all site personnel shall be assembled at the site entrance. The fire department shall be alerted, and all personnel shall be moved to a safe distance from the involved area.

11.3 PPE Failure

If utilization of PPE is necessitated by conditions in the Work Area and a site worker experiences a failure or alteration of protective equipment which affects the protection factor, that person shall immediately leave the Work Area. Reentry shall not be permitted until the equipment has been repaired or replaced.

11.4 Other Equipment Failure

If other equipment on site fails to operate properly, the Construction Health and Safety Officer shall be notified to determine the effect of this failure on continuing operations. If the failure affects the safety of personnel or prevents completion of the planned tasks, all personnel shall leave the Work Area until the situation is evaluated and appropriate actions taken.

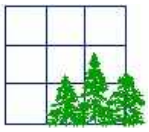
In all situations, when an on-site emergency results in evacuation of the Work Area, personnel shall not reenter until:

1. The conditions resulting in the emergency have been corrected;
2. The hazards have been reassessed;
3. The HASP has been revised; and,
4. Site personnel have been briefed regarding changes in the HASP.

12.0 SITE PERSONNEL SIGNATURE PAGE

ALL SITE PERSONNEL HAVE READ THE ABOVE HEALTH AND SAFETY PLAN AND ARE FAMILIAR AND WILL COMPLY WITH ITS PROVISIONS, AS EVIDENCED BY SIGNATURE BELOW.

Name	Signature	Date



APPENDIX VIII

COMMUNITY AIR MONITORING PLAN (CAMP)

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during nonintrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street in the midst of a public park or adjacent to a school or residence. Exceedances of action levels observed during performance of the CAMP will be reported to the Office of Environmental Remediation (OER) Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area exceeds five (5) parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below five (5) ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of five (5) ppm over background, but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate

emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less (but in no case less than 20 feet), is below five (5) ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shut down.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a reevaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for New York State Department of Environmental Conservation (NYSDEC) personnel to review.

Exceedances observed in the CAMP will be reported to NYSDEC Project Managers and included in the Daily Report.

Odor, Dust and Nuisance Control Plan

The Final Engineering Report will include the following certification by the Remedial Engineer: "I certify that all invasive work during the remediation and all invasive development work were conducted in accordance with dust and odor suppression methodology defined in the Remedial Action Work Plan."

Odor Control Plan

This odor control plan is capable of controlling emissions of nuisance odors off Site 9 (and on Site if there are residents or tenants on the property). Specific odor control methods to be used on a routine basis will include termination of excavation, dust control via water, and covering of strockpiled soil with plastic sheeting. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. The NYSDEC and the New York State Department of Health (NYSDOH) will be notified of all odor events and of all other complaints about the project. Implementation of all odor controls, including the halt of work, will be the responsibility of the Applicant's Remediation Engineer, who is responsible for certifying the Final Engineering Report.

All necessary means will be employed to prevent on- and off-Site nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; and, (b) shrouding open excavations with tarps and other covers. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (c) direct load-out of soils to trucks for off-Site disposal; (d) use of chemical odorants in spray or misting systems; and, (e) use of staff to monitor odors in surrounding neighborhoods. Where odor nuisances have developed during remedial work and cannot be corrected or where the release of nuisance odors cannot otherwise be avoided due to on-Site conditions or close proximity to sensitive receptors,

odor control will be achieved by sheltering excavation and handling areas under tented containment structures equipped with appropriate air venting/filtering systems.

Dust Control Plan

A dust suppression plan that addresses dust management during invasive on-Site work will include, at a minimum, the items listed below:

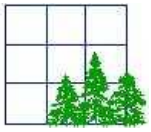
- Dust suppression will be achieved through the use of a dedicated on-Site water truck for road wetting. The truck will be equipped with a water cannon capable of spraying water directly onto off-road areas including, excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed unvegetated soils vulnerable to dust production.
- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On-Site roads will be limited in total area to minimize the area required for water truck sprinkling.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP responsible for certifying the RAR.

Other Nuisances

A plan for rodent control will be developed and utilized by the contractor prior to and during Site clearing and Site grubbing and during all remedial work.

A plan will be developed and utilized by the contractor for all remedial work and will conform, at a minimum, to NYCDEP noise control standards.



APPENDIX IX

SITE WIDE INSPECTION CHECKLIST

Site Name: 255 East 138th Street Location: 255 East 138th Street, Bronx, NY Project No: 10BR188

Inspector Name: _____ Date: _____ Weather Conditions: _____

Reason for Inspection (i.e. routine, severe condition, etc.): Routine – Year Certification Period

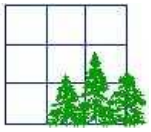
Check one of the following: **Y**: Yes **N**: No **NA:** Not Applicable

		Y	N	NA	Normal Situation	Remarks
	General					
1	What are the current site conditions?				-	
2	Are all applicable site records (e.g. documentation of construction activity, SSD, or HVAC system maintenance and repair, etc.) complete and up to date?				Y	
	Easement					
3	Has site use (restricted residential and lesser uses such as commercial and industrial) remained the same?				Y	
4	Does it appear that all environmental easement restrictions have been followed?				Y	
	Track 4 Composite Cover System					
5	Are there indications of a breach in the track 4 composite cover system at the time of this inspection?				N	
6	Are there any cracks in the building foundation slab?				N	
7	Are there any cracks in the building foundation sidewalls?				N	
8	Is there any construction activity, or indication of any construction activity within the past certification period (including tenant improvements), that included breaching the composite cover system, on-site at the time of this inspection?				N	
9	If yes to item #8, is there documentation that the SMP, HASP, and CAMP for the site were/are being followed?				NA if N to 8 Y if Y to 8	
	Track 2 and Track 4 Vapor Barrier System					
10	Are there indications of a breach in the vapor barrier system at the time of this inspection?				N	
11	Is there any construction activity, or indication of any construction activity within the past certification period (including tenant improvements), that included breaching the site-wide vapor barrier system at the time of this inspection?				N	
12	If yes to item #11, is there documentation that the SMP, HASP, and CAMP for the site were/are being followed?				NA if N to 11 Y if Y to 11	

***If the answer(s) to any of the above questions indicate non-compliance with any ECs/ICs for the site, additional remarks must be provided and, where applicable, documentation attached to this checklist detailing additional inspection and repair activities.

Additional Remarks:_____

Minimum Inspection Schedule: Site-wide inspections will be routinely conducted every year, at a minimum. Additional inspections will also be conducted at times of sever condition events. All inspection events will utilize this checklist.



APPENDIX X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101
P: (718) 482-4995
www.dec.ny.gov

January 11, 2018

Roger Piné
East 138th Street LLC
334-336 East 110th Street
New York, NY 10029

RE: Former G&C Services Site
255 East 138th Street, Bronx, NY
BCP Site No. C203057

Dear Mr. Piné:

The New York State Department of Environmental Conservation (the Department) has completed its review of the 2017 Fourth Quarter Post-Remediation Groundwater Sampling Report (the Report) dated December 28, 2017 which contains a request to terminate the ongoing quarterly groundwater sampling requirement under the approved Site Management Plan (SMP).

Based on information presented in the Report, the Department approves the proposed termination of the quarterly groundwater monitoring. Please be advised that upon confirmation that existing on-site and off-site wells are no longer needed, they should be properly abandoned in accordance with the Department's well decommissioning procedure, which can be found at

http://www.dec.ny.gov/docs/remediation_hudson_pdf/cp43mwdecomm.pdf

Please provide a revision of the approved SMP to reflect the above approved modifications within 30 days of the date of this letter. If you have any questions regarding this matter please contact me at (718) 482-4905.

Sincerely,

Bryan Wong
Project Manager

ec: Jane O'Connell – NYSDEC
Justin Deming – NYSDOH
Robert Hazard, Sean Harrison, John Checcio – Brinkerhoff
Ira N. Pierce P.E.