FISHKILL CREEK SEDIMENT AND SURFACE WATER SAMPLING PROGRAM REPORT
Former Texaco Research Center
Beacon (Glenham), New York

Site ID #314004
EPA ID # 091894899

Prepared For:

Mr. Mark Hendrickson
Chevron Environmental Management Company
Chevron Bellaire Office Building
Mining and Specialty Portfolio Business Unit
4800 Fournace Place, Room E-534C
Bellaire, Texas, 77401

Prepared By:

PARSONS
301 Plainfield Road, Suite 350
Syracuse, New York 13212
Phone: (315) 451-9560
Fax: (315) 451-9570

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LIST OF ACRONYMS

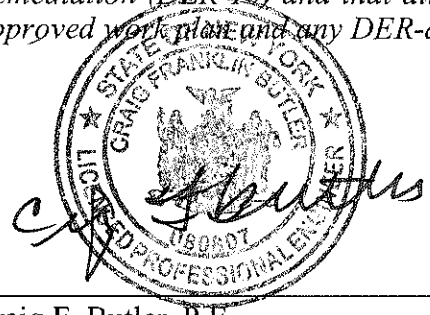
ASP	Analytical Services Protocol
AVS/SEM	Acid Volatile Sulfides and Simultaneously Extracted Metals
BCB	Below Creek Bottom
BWS	Below Water Surface
COC	Chain of Custody
CPOI	Chemical Parameters of Interest
Creek	Fishkill Creek
DOT	Department of Transportation
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
ECO	Ecological
EIM™	Environmental Information Management
ELAP	Environmental Laboratory Approval Program
EMC	Environmental Management Company
EPA	Environmental Protection Agency
FT	Feet
HH	Human Health
ICM	Interim Corrective Measure
ISS	Industrial Sewer System
NFA	No Further Action
NYCRR	New York Code of Rules And Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
Main Facility	Portion of the Site North of Fishkill Creek
Mg/kg	Milligrams Per Kilogram (Parts Per Million)
Mg/l	Milligrams Per Liter
MS/MSD	Matrix Spike and Matrix Spike Duplicate
MTBE	Methyl Tertiary -Butyl Ether
NFA	No Further Action
OU	Operable Unit
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
QA/QC	Quality Assurance and Quality Control
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SAP	Sampling and Analysis Plan

SGV	Sediment Guidance Values
SITE	Former Texaco Research Center Beacon
SRFI	Supplemental RFI
SVOCs	Semivolatile Organic Compounds
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analytes List
TOGS	Technical and Operational Guidance Series
TRCB	Texaco Research Center Beacon
TSS	Total Suspended Solids
TTU	Total Toxicity Unit
VOCs	Volatile Organic Compounds
WATF	Washington Avenue Tank Farm

ENGINEER'S CERTIFICATION

CERTIFICATION OF COMPLETION

I, Craig F. Butler, certify that I am currently a New York State registered Professional Engineer (P.E.) and that the Fishkill Creek Sediment and Surface Water Sampling Program Report was prepared in accordance with all applicable statues and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.



04/28/15

Craig F. Butler, P.E. — Date
New York, No. 080807
PARSONS

EXECUTIVE SUMMARY

The purpose of this report is to describe and document the results of the Fishkill Creek Sampling Program Investigation that was completed between August 11th through September 11th, 2014 at the former Texaco Research Center Beacon (TRCB) located in Beacon, New York (Site). A summary of results is provided below.

UPSTREAM/BACKGROUND TRANSECTS

- Transect No. 1
  - Sediment cores were advanced at five locations where the depth of water column varied from 2.08 to 3.25 feet (ft) below water surface (bws). Eighteen (18) sediment samples were collected at depths varying from 0.5 to 3 feet below the sediment surface (bss).
  - No VOCs, total PAHs, or PCBs were present in sediments at concentrations above New York State Department of Environmental Conservation (NYSDEC) Class "A" Sediment Guidance Values (SGVs), but eight (8) sediment samples . had concentrations of metals above Class "A" SGVs
  - . One (1) metal (iron) was present in the surface water sample collected along this transect at a concentration above the NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703)
- Transect No. 2
  - Sediment cores were advanced at five locations where the depth of water column varied from 1.10 to 3.0 ft bws. Ten (10) sediment samples were collected at depths varying from 0.5 to 2.75bss;
  - No VOCs, total PAHs, or PCBs were present in sediments above Class "A" SGVs, while four (4) sediment samples had concentrations of metals above Class "A" SGVs
  - One (1) metal (mercury) was present in the surface water sample collected along this transect at a concentration above the NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703).
- Transect No. 3
  - Three (3) sediment cores were attempted, but only one was successfully completed, at a depth of 0.0 to 0.5 bss.. Depth of water column at this transect location varied between 2.5 to 4.1 ft bws.
  - No VOCs, total PAHs, or PCBs were present in sediments at concentrations above Class "A" sediment screening values, but one metal (nickel) was detected at a concentration above the Class "A" sediment screening value.
  - No parameters detected in the surface water sample collected exceeded NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703).

ADJACENT TO SITE TRANSECTS

- Transect No. 4
  - Three (3) sediment cores were attempted, but only one was successfully completed, at a depth varying from 0.0 to 3.0 ft bss.. The depth of water column at this transect location varied between 6.2 to 6.5 ft bws.
  - No VOCs, total PAHs, or PCBs were present in sediments at concentrations above NYSDEC Class "A" SGVs, while four (4) sediment samples had concentrations for metals above the NYSDEC Class "A" SGVs.
  - No parameters detected in the surface water sample collected exceeded NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703)
- Transect No. 5
  - .Sediment cores were advanced at five locations where the depth of water column varied from 1.2 to 8.2 ft bws. Sixteen sediment samples were collected at depths varying from 0.5 to 3.0 ft bss
  - No VOCs, total PAHs, or PCBs were present in sediments at concentrations above Class "A" SGVs, while one sediment sample location had a metal concentration (nickel) that exceeded the Class "C" SGV. Fifteen (15) sediment samples also contained detectable metal concentrations above NYSDEC Class "A" SGVs.
  - No parameters detected in the surface water sample collected exceeded NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703).
- Transect No. 6
  - Sediment cores were advanced at five locations where the depth of water column varied from 3.0 to 8.3 ft bws. Seventeen (17) sediment samples were collected at depths varying from 0.5 to 3.0 ft bss.
  - No VOCs, total PAHs, or PCBs were present in sediments at concentrations exceeding NYSDEC Class "A" SGVs, but sixteen (16) sediment samples had concentrations of metals above the NYSDEC Class "A" SGVs.
  - No parameters detected in the surface water sample collected exceeded
- Transect No. 7
  - Sediment cores were advanced at five locations where the depth of water column varied from 2.2 to 6.4 ft bws. Twenty-two (22) sediment samples were collected at depths varying from 0.5 to 6.0 ft
  - Analytical results for sediments indicated no VOCs, total PAHs, or PCBs above the Class "A" SGVs, while one sediment sample had a concentration for nickel exceeding NYSDEC Class "C" SGV. Fifteen (15) sediment samples also had metal concentrations exceeding than the Class "A" SGVs.
  - One metal (mercury) was present in the surface water sample at a concentration exceeding the . NYSDEC Class C Surface Water and Groundwater Quality

Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703).

- Transect No. 8
  -
  - Seven (7) sediment core locations were attempted, but no core locations were successfully cored and no sediment samples were collected for analysis. Depth of water column along this transect location varied between 1.5 and 7.7 ft bws.
  - No parameters were detected at concentrations above the .NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703)..
- Transect No. 9
  - Three (3) attempts at advancing sediment cores along this transect were attempted, but only one core was successfully completed). Depth of water column varied between 1.5 to 5.7 ft bws.
  - No VOCs or PCBs were present in sediments at concentrations above the NYSDEC Class "A" SGVs, but one sediment sample had a metal (mercury) concentration that exceeded the Class "A" SGV and total PAHs were detected at a concentrations above the NYSDEC Class "A" SGV.
  - Analytical results for the surface water sample collected indicated no parameters above the. NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703).
- Transect No. 10
  - Three (3) attempts at advancing sediment cores along this transect were attempted, but only one was successfully completed (multiple sediment grab samples were collected from the core). Depth of water column observed varied from 8.5 to 11.3 ft bws.
  - No VOCs, total PAHs, or PCBs were detected at concentrations above the NYSDEC Class "A" SGVs, while one sediment sample exhibited a concentration for mercury that was above the NYSDEC Class "C" SGV. Three (3) sediment samples also had concentrations of metals that exceeded Class "A" SGVs.
  - Analytical results for the surface water sample collected indicated no parameters above the . NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703)

DOWNSTREAM TRANSECT

- Transect No. 11
  - Three (3) attempts at advancing sediment cores were attempted along this transect, but only two were successfully completed. Four (4) sediment samples were collected at depths varying from 0.5 to 2 ft bss. The depth of water column varied from 7.2 to 17.8 ft bws.

- Analytical results for sediment samples indicated no presence of VOCs, total PAHs, or PCBs that exceed the NYSDEC Class "A" SGVs. However, three (3) samples had concentrations of metals (nickel) above the NYSDEC Class "A" SGV.
- Surface water analytical results indicated that no detected parameters exceeded the NYSDEC Class C Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703).

SECTION 1

INTRODUCTION

1.1 PROJECT OBJECTIVES

The purpose of this report is to describe and document the results of the Fishkill Creek sediment and surface water sampling program event that was completed from August 11th through September 11th, 2014 at the former Texaco Research Center Beacon (TRCB), New York site (herein referenced to as the "Site") (see Figure 1). The analytical results presented in this report will also be used to assess potential risks to human health and the environment as presented in the Human Health (HH) Exposure Assessment and Fish and Wildlife Resource Impact Analysis Part I: Resource Characterization for the Site.

1.2 SITE BACKGROUND

Chevron (Chevron, also historically known as Texaco and ChevronTexaco) operated a research center in Glenham, New York from 1931 until its closure in 2003. The research center has been called the Texaco Research Center and the Beacon Research Center. The Site is located on approximately 153 acres of land and includes nine distinct Operable Units (OUs) (Figure 2).

- OU-1A (Main Facility) consists of 33 acres of land, includes all of the developed areas located north of Fishkill Creek. The Main Facility has been used as an on-shore, non-production, non-transportation laboratory complex engaged in research, development, and technical services related to petroleum products and energy. Petroleum, coal products, and solvents have been used at the Main Facility in conjunction with research operations. From 1811 until 1930, the Site was the location of textile mills. The mills were powered by water wheels and steam engines. Blacksmith and carpentry shops operated in support of the mills.
- OU-1B (Church Property) is a 15 acre undeveloped parcel located to the northwest of OU-1A (Main Facility) that once contained a local church that has since been relocated.
- OU-1C (Former Washington Avenue Tank Farm [WATF]) consists of 5 acres of land located south of Fishkill Creek and north of Washington Avenue. Texaco and Chevron once maintained over thirty aboveground storage tanks. All tanks were decommissioned and removed in late 2003 to early 2004.
- OU-1D and OU-3 (Residential Property Parcels) are 2.06 acre and 0.67 acre, respectively, vacant parcels on Washington Avenue. No TRCB activities were conducted on these properties.
- OU-1E (Back 93 Acre Parcel) is an undeveloped property located south of Washington Avenue. A portion of OU-1E (Back 93 Acre Parcel) is listed as an inactive hazardous waste site due to the former use of isolated portions of the property as a disposal site.

- OU-1F (Fishkill Creek) is a surface water body located south of OU-1A (Main Facility) and north of the WATF (OU-1C). The creek was used a hydropower source for the site in the past, as well as a water source for fire control.
- OU-2 (Road Parcel) is a 0.23 acre parcel along and underneath Washington Avenue that has not been dedicated to the Town of Fishkill. This parcel is located outside of the fence line of the main property and is maintained by the Town of Fishkill.
- OU-4 (Dam and Associated Hydropower Facilities) includes the hydroelectric buildings and the dam itself with access on the north side via an easement to Old Glenham Road, and on the south side via an easement to Washington Avenue.

Previous investigations have included follow-up investigations to specific activities such as tank removals and spill investigations. A Phase III Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) was completed by Texaco in March 2001 (IT, 2001a). In 2006, Chevron completed the closure of the Industrial Sewer System (ISS) and the completion of the former Recreation Area Interim Corrective Measure (ICM). In 2005, a Phase II Environmental Site Assessment (GSC, 2005) was completed by Groundwater Sciences Corporation on behalf of a party interested in acquiring the Site. In the fall of 2006, a Sitewide RFI was conducted by Parsons (Parsons, 2007) for Chevron and in the fall of 2007 a Supplemental RFI was conducted by Parsons (Parsons, 2009). In 2010, various subsurface investigations were conducted to determine soil and groundwater quality (e.g., Sitewide Soil and Groundwater Sampling Events, Mill Building (Part of OU-4) Investigation, and neighboring property (Westage Property) investigation). In 2012, three (3) subsurface investigations were conducted (Concrete Foundation Drilling Investigation, Undeveloped Property Investigation (property located south of Main Facility) (Part of OU-4), and Sitewide Groundwater Sampling Event) to also determine soil and groundwater quality, while in 2013 two (2) subsurface investigations (Additional Well Installations and Sitewide Groundwater Sampling Event) were performed to determine subsurface conditions.

Ten (10) groundwater monitoring wells are currently sampled twice a year to monitor groundwater potentially affected by historical disposal practices in the OU-1E (Back 93 Acre Parcel). In addition, approximately forty-three (43) groundwater monitoring wells located on the OU-1A (Main Facility) and OU-1C (WATF) are currently sampled quarterly to obtain data from specific wells located at the facility in order to determine the degree of biodegradation of contaminants of concern taking place within the subsurface soil and groundwater resources, assist in the development of a site conceptual model(s), and assist in identifying potential remedial alternatives for the site.

The Fishkill Creek Sampling program detailed in this report was designed to gather data to assist in the evaluation of the potential contaminant impacts in Fishkill Creek surface water and sediments. Sampling activities included surface water and sediment sampling. Surface water samples were collected from a few feet below the creek water surface, while sediment samples were collected from the creek bottom and banks. Surface water and sediment sampling were conducted both upstream and downstream of the on-site hydroelectric dam for characterization of the creek surface water quality and sediments. The scope of work discussed within this report was also developed to assist in the refinement of a site conceptual model(s), assist in identifying potential remedial alternatives for the Site, and assist in developing a Fish and Wildlife Resource

Impact Analysis Part I: Resource Characterization and Human Health Exposure Assessment report for the site.

1.3 REPORT ORGANIZATION

This report has been organized into sections similar to those presented in the RFI, SRFI, Sitewide Groundwater Sampling Events, and the other Site reports.

Section 1 contains an introduction and includes a discussion of the organization of this report.

Section 2 provides a description of the completed scope of work. This includes the quality assurance and quality control (QA/QC) program, the database management program and a summary of the field methods used.

Section 3 provides descriptions of each of the areas investigated, the scope of work completed, and the results of the investigations in those areas.

Section 4 presents sample event conclusions.

Section 5 consists of a reference section.

SECTION 2

FIELD PROCEDURES

2.1 INTRODUCTION

The purpose of this section is to describe and document the methods used during the Creek sampling activities. The Fishkill Creek surface water and sediment sampling was completed in accordance with the Generic Work Plan, Site Investigation Activities (Parsons, 2007b) and the Project Work Plan (Parsons, 2014a) approved by the New York State Department of Environmental Conservation (NYSDEC) via electronic mail and verbally in the summer of 2014.

2.2 SUMMARY OF WORK SCOPE

The scope of work for the Fishkill Creek Sampling Program included collection of eleven (11) surface water samples and one hundred (100) individual grab sediment samples from thirty-one (31) sediment core locations along eleven (11) transects located within Fishkill Creek. Forty-seven (47) sediment core locations were cored, but only thirty-one (31) of them yielded sufficient sediment volumes for analysis. Samples were collected to obtain background data on chemical parameters of interest (CPOIs) and characterize surface water and sediment quality both upstream and downstream of the on-site hydroelectric dam and adjacent to the Site. Analytical results included in this report were validated as specified in the Project Quality Assurance Project Plan (QAPP) (Parsons, 2014b).

2.3 QA/QC PROGRAM

2.3.1 Field Duplicate and MS/MSD Samples, Wash Blanks, Trip Blanks

Field duplicate, matrix spike and matrix spike duplicate (MS/MSD) samples and sample blanks (e.g., wash blanks and trip blanks) were collected and analyzed in accordance with the QAPP included in the Project Work Plan (Parsons, 20014a).

2.3.2 Sample Custody and Custody Seals

Sample Chain-of-Custody (COC) logs and custody seals were used to ensure that sample integrity was not compromised subsequent to sample collection and during shipment to the laboratory. Shipment particulars, such as samples submitted, analyses requested, and sample custody were recorded on the COCs. The field team retained one copy of the COC and the laboratory received the remaining one copy for internal use.

2.3.3 Laboratory Analyses

The analyses were conducted using NYSDEC Analytical Services Protocol (ASP) dated September 1989 with revisions. The analytical work was performed by a laboratory approved by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) for the categories of solid and hazardous waste. Chemical and physical analyses not covered by ASP procedures were conducted using procedures specified in the QAPP. Sample custody, laboratory procedures, and other QA/QC requirements were performed in accordance with the specifications in the QAPP.

2.3.4 Data Validation

The samples were collected by Parsons and analyzed by Eurofins-Lancaster Laboratories, Lancaster, Pennsylvania following the procedures outlined in the Project QAPP (Parsons, 20014b).

The data submitted by the laboratory have been reviewed and validated, following the guidelines outlined in the project QAPP.

The analytical data were found to be acceptable in terms of deliverable completeness, accuracy, precision, representativeness, completeness and comparability. A copy of the Data Usability Summary Report (DUSR) for both surface water and sediment samples is included in Appendix A, while copies of the analytical laboratory reports with chain-of-custody documentation are included in Appendix B.

2.4 DATABASE MANAGEMENT

The data generated during the sampling activities were stored and managed using Locus Focus Environmental Information Management (Locus EIM™) database software (Chevron's national lab data management program used on all Chevron projects). Following data validation, the Locus EIM™ database was updated to reflect any changes as a result of data validation. These changes included concentration changes, where appropriate, and removal, addition, and/or changes to data qualifiers. The data used in this report were taken from the updated master database to ensure that only current, validated analytical results were used.

In addition, all analytical data were submitted separately to the NYSDEC Project Manager (Mr. Paul Patel, P.E.) in the required EQUIS format in the form of an e-mail and the report was signed in accordance with Division of Environmental Remediation -10 Sections 1.2 and 1.5.

2.5 SELECTION OF SCREENING CRITERIA FOR ECOLOGICAL RESOURCES

NYSDEC has issued guidance for the screening of surface water and sediment analytical results for ecological resources.

Water Quality Standards for protection of aquatic life were established by NYSDEC in New York Codes, Rules and Regulations (NYCRR) Part 703: Surface Water and Groundwater Quality and Groundwater Effluent Limitations (http://www.dec.ny.gov/regs/4590.html). Water Quality Standards are the basis for programs to protect the state waters. Standards set forth the maximum allowable levels of chemical pollutants and are used as the regulatory targets for permitting, compliance, enforcement, and monitoring and assessing the quality of the state's waters. Waters are classified for their best uses (fishing, source of drinking water, etc.) and standards (and guidance values) are established to protect those uses. All waters in New York State are assigned a letter classification that denotes their best uses. Water Class "C" applies to Fishkill Creek at the TRCB. Class C waters should be suitable for fish, shellfish, and wildlife propagation and survival, as well as secondary contact recreation (e.g. fishing and boating). Selected standards represent the lowest of values listed in the categories Aquatic (Chronic), Wildlife, and Health (Fish Consumption). In the absence of established water quality standards, numeric guidance values were obtained from the 1998 NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1: Ambient Groundwater Quality Standards and Groundwater Effluent Limitations (http://www.dec.ny.gov/docs/water_pdf/togs1112.pdf).

On June 24th, 2014, NYSDEC, Division of Fish, Wildlife and Marine Resources, Bureau of Habitat issued the Screening and Assessment of Contaminated Sediment (NYSDEC, 2014d) document as a guidance for screening, classifying and assessing contaminated sediments in New York State.

In this report, the Class C water quality standards listed in NYCRR Part 703 and the sediment screening guidance values (Class A, B, and C) referenced in the NYSDEC document for sediments mentioned above are presented as screening criteria for the purpose of screening both surface water and sediment sample analytical results to identify areas along Fishkill Creek where potential environmental impacts may exist as a result of past operations that took place at the Site.

2.6 INVESTIGATION METHODS

2.6.1 Pre-Drilling Activities

Before subsurface intrusive field work began, the facility Superintendent and Dig Safely New York (Telephone number: *811) were contacted to identify potential buried utility locations both at the Site and outside site property boundaries that potentially were located near work areas. All available site utility maps were reviewed and transect drilling locations were chosen along the Creek to avoid any underground or aboveground utilities.

Prior to any work activities, an extensive three-day site and safety orientation was given to all Parsons' field crew members and subcontractors (i.e., drillers, crane operators, etc.) working on the project to ensure all applicable safety information and protocols were relayed and followed. Safety training was performed by Parsons' Chevron Environmental Management Company (EMC) Program Safety Officer, Rich Molta.

The Project Manager, Mr. Craig F. Butler, P.E. ensured that all Parsons and Chevron EMC protocols for performing subsurface intrusive work were followed. All appropriate documentation was completed and all appropriate approvals obtained.

2.6.2 Surface Water Sampling

As shown on Figures 2.1 and 2.2, surface water samples were collected at eleven (11) locations across eleven (11) transects within Fishkill Creek. Three (3) of the eleven (11) transects were located upstream of the Site (See Figure 2.1) to assess the background concentrations of CPOI in Fishkill Creek surface water, while the remaining eight (8) transects were located adjacent to and/or downstream of the Site (See Figure 2.2). The first upstream or background transect was located just downstream of the Washington Avenue Bridge to assess potential impacts to the creek from the bridge and stormwater runoff from the road. The other two (2) background transects located further upstream of the site were selected based on water levels at the time of sampling and predicted depositional areas of the creek. Sample results provided background conditions for comparison to analytical results collected from sample locations situated adjacent to or downstream of the Site.

Surface water samples were collected first at locations where both surface water and sediment were designated to be sampled. Surface water samples were collected following the protocols outlined in the Sampling and Analysis Plan (SAP) (Parsons, 2014c) and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs; Polycyclic

Aromatic Hyrdocarbons (PAHs) were reported), Target Analyte List (TAL) dissolved and total metals, hardness, Total Suspended Solids (TSS), and pH.

All samples were collected from a barge or jon boat, depending on the location along the stream.

2.6.3 Sediment Sampling

Following the collection of surface water samples, sediment samples were collected at three (3) to five (5) locations across the same eleven (11) transects as shown in Figures 2.1 and 2.2.

Channel sediment core samples were collected to a maximum depth of 3 feet (ft) or approximately 1-ft into an underlying confining unit (if present), whichever was encountered first. Continuous sampling was conducted at each location with a vibracore, split spoon sampler, macro core, or other appropriate sample device depending on subsurface conditions. If the sampler could not be advanced due to buried rocks or other obstructions, or if recovery was less than 70%, the sampler was moved within several feet from the original location and re-driven. If after two (2) attempts sediment recovery was still poor, alternative sample locations were considered. Sample locations were modified in the field, with concurrence from Chevron and NYSDEC representatives as required, to ensure safety and to afford access to each sample location. Figure 2.3 depicts multiple drilling attempts at applicable sample locations to either obtain additional sediment sample volume or to get initial penetration into the sediment column.

Sampling was conducted from a jon boat or a small motorized barge depending on water levels in the creek at the time of sampling. The jon boat had a small opening in the bottom to allow a macro core or split spoon type sampler to be advanced with a slide hammer. A jack was then employed to extract the sampler from the sediments. Anchors were deployed to keep the jon boat stationary while collecting sediment samples. The jon boat was also tied off to shoreline trees or other structures if necessary.

The barge used to collect samples was equipped with a spud system to hold the barge in place. Additional anchors were deployed or the barge was tied off to shoreline trees or other structures if the spuds could penetrate the creek bottom deep enough to keep the barge stationary. The barge utilized hand rails around the perimeter of the deck to prevent workers from stepping or falling off the barge. A vibracore was used to collect sediment samples; a small crane mounted to the barge was used to deploy the vibracore over the side of the barge. Absorbent booms were also deployed on the water surface, surrounding the barge to absorb potential petroleum releases that might occur (safety precaution).

If sediments were soft enough, hand collection methods were also attempted. Hand collection methods consisted of pushing a lexan, Wildco sampler, or equivalent type tube sampler into the sediments.

Samples were collected at 0-6 inch, 6-12 inch, 12-24 inch, and 24-36 inch intervals from each sample location. At two sample locations (TR07_B and TR07_E) from the transect just upstream of the Texaco Dam (Transect No. 7)., sediment was collected from those locations at 1 ft intervals at depths greater than 3 ft through the entire sediment column (Depth of sediment column was approximately 6 ft). Each sample was logged, classified in the field, and documented via photographs (see Appendix C for sediment logs). If clay or other native confining layer was encountered and recovered, separate samples were collected above and within this layer (i.e., clay was not be homogenized with sediments above or within the interval).

Each sample interval was submitted for analysis of VOCs, SVOCs (PAHs only), TAL metals, total organic carbon (TOC), acid volatile sulfides (AVS) and simultaneously extracted metals (SEM) analysis. In addition, sediment from each sample interval at one sample location in each transect was submitted for polychlorinated biphenyl (PCB) analysis. The samples were stored and shipped on ice to the analytical laboratory following chain-of-custody procedures.

In addition, one "clean" soil sample was analyzed by the laboratory to ensure organic laboratory artifacts (e.g., acetone, methanol, etc.) were not being reported with results. "Clean" samples were created by heating sand to 550°C and analyzing for CPOI. The "clean" soil sample was submitted by Chevron to the laboratory and were not representative of the Site. All sediment sampling activities followed protocols outlined in the Sampling and Analysis Plan (SAP).

2.6.4 Surveying of Sampling Locations

Each new surface water and sediment sampling location was surveyed by the driller using a portable global positioning device and depth of water was recorded at each location. Refer to Table 1 for depth of water at each sediment sample location. All coordinates were measured in the New York State Plan and Coordinate System, East Zone (NAD-1983) system for the horizontal datum, while the vertical datum used the site vertical datum established by Texaco in 1957. This datum is 1.07 ft below NAVD 1988 coordinate system.

2.6.5 Investigation Derived Waste

All liquid investigation derived waste (IDW), including decontamination water was staged in a polyurethane tank and transported to the on-site industrial wastewater treatment system for disposal.

Any excess sediment generated during field activities was staged in a secure on-site Department of Transportation (DOT), 17-H, 55-gallon drum for future disposal by Chevron EMC.

2.6.6 Photographic Log

A photographic log documenting field activities is provided in Appendix D.

SECTION 3

ANALYTICAL RESULTS

3.1 INTRODUCTION

Eleven (11) surface water samples were collected from eleven (11) transects located along Fishkill Creek, while one hundred (100) individual grab sediment samples from thirty-one (31) sediment core locations were collected along the same eleven (11) transects. Surface water samples were analyzed for VOCs, PAHs, TAL dissolved and total metals, hardness, TSS, and pH. Sediment samples were analyzed for VOCs, PAHs, TAL metals, TOC, AVS/SEM metals, and PCBs (only one location per transect). No VOCs or PAHs were detected at concentrations exceeding the NYSDEC Part 703 Class C surface water quality screening criteria in any of the surface water samples collected, while TAL metals were detected in surface water samples at concentrations exceeding the NYSDEC Part 703 Class C Water Quality Standards.

In the sediment samples collected during field activities, no VOCs, PAHs, or PCBs were detected at concentrations greater than the Class "A" Sediment Guidance Values (SGVs) with the exception of one sediment location for total PAHs, while metals were detected at concentrations exceeding Class "A" SGVs. Depth of water at sediment sampling locations varied from 1.0 ft below water surface (bws) to 17.8 ft bws. Refer to Table 1 for depth to water at each sediment sample location.

The following paragraphs provide summaries of the results of the Fishkill Creek sampling program.

3.2 UPSTREAM/BACKGROUND TRANSECTS

Three (3) transects (Transect No. 1, 2, 3) were located upstream of the Site and were used to determine background concentrations of CPOIs in surface water and sediment within the Creek upstream of the Site. Two of the three (3) transects were located east of the Washington Avenue Bridge, while one was located slightly to the east of the bridge..

3.2.1 Transect No. 1 (TRO1)

Five (5) sediment cores were advanced along TR01 (TR01A, TR01B, TR01C, TR01D, and TR01E) and varied in depth from 0.5 ft below creek bottom (bcb) to 3.0 ft bcb. The sediment consisted of fine to coarse sand and fine to coarse gravel with trace silt and organics. Depth of water column varied from 2.08 to 3.25 ft bws. Core logs for each location are provided in Appendix C. No VOCs, total PAHs, or PCBs were detected at concentrations exceeding the Class "A" SGVs, while eight (8) samples [TR01A (0.5-1 ft) (1-2 ft) (2-2.7 ft); TR01B (0.5 ft) (1-2 ft); TR01C (0-0.5 ft) (2-2.9 ft); and TR01D (0.5–1 ft)] contained metal parameters (nickel and zinc) that were detected above Class "A" SGVs. All other parameters detected were either below Class "A" SGVs or did not have corresponding SGVs.

One surface water sample was collected from TR01 and only one metal (iron) was detected at concentrations exceeding NYSDEC Part 703 Class C water quality standards.

3.2.2 Transect No. 2 (TR02)

Five (5) cores were advanced along TR02 (TR02A, TR02B, TR02C, TR02D, and TR02E) and varied in depth from 0.5 ft bcb to 2.75 ft bcb. The lithology was similar to that observed at Transect No. 1 with the exception of clay and additional amounts of silt present. Depth of water column varied from 1.0 to 3.0 ft bws. No VOCs, total PAHs, or PCB parameters were detected at concentrations exceeding Class "A" SGVs, while four (4) samples [TR02C (0-0.5ft); TR02D (0-0.5 ft); and TR02E (0-0.5 ft) (0.5-1 ft)] had metals (nickel, copper, lead, and zinc) detected above Class "A" SGVs. All other parameters detected were either below Class "A" SGVs or did not have a corresponding SGV.

One surface water sample was collected and one metal (mercury) was detected at a concentration exceeding NYSDEC Part 703 Class C water quality standards.

3.2.3 Transect No. 3 (TR03)

Three (3) cores were advanced along TR03 (TR03A, TR03B, and TR03C) and, of the three (3) cores advanced, a sediment sample was able to be obtained from only one of the cores (TR03C). Creek bottom conditions did not allow the sampling tool to advance into sediment present at sampling location to obtain samples. Multiple attempts were made at these locations, but were unsuccessful. Refer to Figure 2.3 for multiple attempt locations. Sample core TR03C was advanced to a depth of 0.5 bcb and lithology consisted of fine to coarse sand and fine to medium gravel with trace silt. Depth of water column varied between 2.5 to 4.1 ft bws. No VOCs, total PAHs, or PCBs were detected at concentrations that exceeded Class "A" SGVs. However, one metal (nickel) was detected at a concentration at TR03C (0-0.5 ft) that exceeded Class "A" SGV.

One surface water sample was collected and no analytical parameters were detected at concentrations exceeding NYSDEC Part 703 Class C water quality standards.

3.3 ADJACENT TO SITE TRANSECTS

Seven (7) transects (Transects No. 4, 5, 6, 7, 8, 9, and 10) were located adjacent to the site and were used to evaluate the surface water and sediment quality within the Creek. Four (4) of the transects (Transect 4, 5, 6, and 7) were located between the Washington Avenue Bridge and the hydroelectric dam located at the site, while the remaining three (3) transects (Transects 8, 9, and 10) were located between the dam and the furthermost western end of the property boundary (Building 58 Area).

3.3.1 Transect No. 4 (TR04)

Three (3) cores were advanced along TR04 (TR04A, TR04B, and TR04C) but a sediment sample could only be obtained from (TR04C) because of similar creek bottom conditions as those observed at TR03. Sample core TR04C was advanced to a depth of 3 ft bcb and lithology consisted of silt, fine to medium sand organics, and trace clay. Depth of water column varied between 6.2 to 6.5 ft bws. No VOCs, total PAHs, or PCBs were detected at values that exceeded Class "A" SGVs, while four (4) samples [TR04C (0-0.5 ft) (0.5-1 ft) (1-2 ft) (2-3 ft)] had metal concentrations (copper, nickel, and zinc) that exceeded Class "A" SGVs. All other parameters detected were either below Class "A" SGVs or did not have a corresponding SGV.

One surface water sample was collected from TR04 and no parameters were detected that exceeded NYSDEC Part 703 Class C water quality standards.

3.3.2 Transect No. 5 (TR05)

Five (5) cores were advanced along TR05 (TR05A, TR05B TR05C, TR05D, and TR05E) and varied in depth from 0.5 to 3 ft bcb. The lithology was similar to that encountered at the upstream transects with the exception of a fragment of debris (metal) observed within one of the sediment cores. Depth of water column varied from 1.2 to 8.2 ft bws. No VOCs, total PAHs, or PCBs parameters exceeded Class "A" SGVs, while one sample [TR05C (0-0.5 ft)] had one metal concentration that exceeded the Class "C" SGV. Nickel was detected at a concentration of 49.4J milligrams per Kilogram (mg/Kg). Fifteen sediment samples [TR05A (0.5-1 ft), (1-2 ft), (2-3 ft); TR05B (0-0.5 ft), (0.5-1 ft); TR05C (0-0.5 ft), (0.5-1 ft); TR05D (0-0.5 ft), (0.5-1 ft) (1-2 ft), (2-3 ft); and TR05E (0-0.5 ft), (0.5-1 ft) (1-2 ft), (2-3 ft)] indicated metal parameters (nickel, chromium, copper, lead, zinc, silver, and arsenic) at concentrations that exceeded Class "A" SGVs All other parameters detected were either below Class "A" SGVs or did not have corresponding criteria.

One surface water sample was collected from the transect and no parameters were detected above the NYSDEC Part 703 Class C water quality standards.

3.3.3 Transect No. 6 (TR06)

Five (5) cores were advanced along TR06 (TR06A, TR06B TR06C, TR06D, and TR06E) and varied in depths from 4 to 5 ft bcb. The lithology encountered was similar to that encountered at the upstream transects with the exception of till being present. Depth of water column varied from 3.0 to 8.3 ft bws. No VOC, total PAHs, or PCB parameter concentrations exceeded the NYSDEC Class "A' SGVs, while sixteen (16) sediment samples [TR06A (0-0.5 ft) (0.5-1 ft) (1-2 ft) (2-3 ft); TR06B (0-0.5 ft) (0.5-1 ft) (1-2 ft); TR06C (0-0.5 ft) (0.5-1 ft); TR06D (0-0.5 ft) (0.5-1 ft) (1-2 ft) (2-3 ft); and TR06E (0-0.5 ft) (0.5-1 ft) (1-2 ft), (2-3 ft)] had metals (copper lead, mercury, nickel, zinc, arsenic, and chromium) detected at concentrations that exceeded the NYSDEC Class "A" SGVs. All other parameters were either below Class "A" SGVs or did not have corresponding criteria.

One surface water same was collected along TR06 and no parameters exceeded NYSDEC Part 703 Class C water quality screening criteria.

3.3.4 Transect No. 7 (TR07)

Five (5) cores were advanced along TR07 (TR07A, TR07B TR07C, TR07D, and TR07E) and varied in depths from 0.5 to 6 ft bcb. The lithology encountered during the drilling program was similar to that observed at TR06 with the exception of no till present and a greater percentage of clay present. Depth of water column observed varied in depth from 2.2 to 6.4 ft bws. No VOCs, total PAHs, or PCBs parameters were detected at concentrations exceeding Class "A" SGVs, while one sample [TR07E (2-3 ft)] had one metal concentration that exceeded the Class "C" SGV. Nickel was detected at a concentration of 60.4 mg/Kg. Fifteen (15) sediment samples [TR07A (0-0.5 ft) (1-2 ft); TR07B (0.5-1 ft) (1-2 ft) (2-3 ft) (3-4 ft); TR07C (0.5-1 ft); TR07D (0.5-1 ft) (1-2 ft) (2-3 ft); and TR07E (0-0.5 ft) (0.5-1 ft) (1-2 ft) (2-3 ft) (3-4 ft)] had metal (chromium, arsenic, nickel, cooper, lead, and zinc) concentrations that exceeded NYSDEC Class "A" SGVs. All remaining detected parameters were either below Class "A" SGVs or did not have corresponding NYSDEC criteria.

One surface water sample was collected from the transect and only one metal (mercury) was detected at a concentration that exceeded the NYSDEC Part 703 Class C water quality standards.

3.3.5 Transect No. 8 (TR08)

Seven (7) sediment core locations were attempted, but no sediment samples were collected along TR08 because of the lithology present at the bottom of Creek. The Creek bottom consisted of cobbles and boulders and sparse sediment (similar conditions as present at TR03 and 04) making the collection of sediment impossible. Several attempts were made at the TR08 area; as well as, attempting a second transect for TR08 approximately 115 ft downstream of the original TR08 location. This second transect location was performed in hopes of encountering a different lithological creek bottom so that sediment samples could be obtained. The same creek bottom conditions were encountered and no sediment samples were collected. Refer to Figure 2.3 for second the TR08 location along with multiple coring attempt locations.

One surface water sample was collected from TR08 and no parameters exceeded NYSDEC Part 703 Class C water quality standards.

3.3.6 Transect No. 9 (TR09)

Three (3) cores were advanced along TR09 (TR09A, TR09B, and TR09C) and at only one location (TR09C) was a sediment sample collected from it due to similar creek bottom conditions as observed at TR03, TR04, and TR08. Core TR09C was advanced to a depth of 0.5 ft bcb and lithology consisted of fine to coarse sand, fine to medium gravel, and trace silt. Depth of water column varied between 1.5 and 5.7 ft bws. No VOCs or PCBs were detected at values that exceeded Class "A" SGVs. Sediment sample TR09C (0-0.5 ft) indicated one metal (mercury) was and total PAHs were detected at a concentration that exceeded the NYSDEC Class "A" SGV. All remaining parameters were either below Class "A" SGVs or did not have a criteria value.

One water sample was collected from TR09 and no parameters were detected at concentrations exceeding NYSDEC Part 703 Class C water quality standards.

3.3.7 Transect No. 10 (TR10)

Three (3) cores were advanced at TR10 (TR10A, TR10B, and TR10C) and sediment could only be collected from one core (TR10A) for the same reasons that limited sediment samples collection from TR03, TR04 , TR08, and TR09. The core was advanced to a maximum depth of 2 ft bcb and the lithology was as observed at Transect No. 9. Depth of water column observed at TR10 area varied from 8.5 to 11.3 ft bws. No VOCs, total PAHs, or PCBs exceeded the NYSDEC Class "A" SGVs, while one sample [TR10A (0-0.5ft)] contained a metal concentration that exceeded the NYSDEC Class "C" SGV. Mercury was detected at 1.3 mg/kg. Three (3) samples [TR10A (0-0.5 ft) (0.5–1 ft) (1-2 ft)] indicated metal parameters (lead and nickel) that exceeded NYSDEC Class "A" SGVs. All other parameters detected either were below Class "A" SGVs or did not have corresponding SGV criteria.

A surface water sample was collected from TR10 and no parameters were detected at concentrations exceeding NYSDEC Part 703 Class C water quality standards.

3.4 DOWNSTREAM TRANSECT

One transect (Transect No. 11) is located downstream of the site and was used to determine the surface water and sediment quality within Fishkill Creek downstream of the Main Facility. The transect is located approximately 560 ft west of Transect No. 10 and beyond the furthest westernmost property boundary.

3.4.1 Transect No. 11 (TR11)

Three (3) cores were advanced along TR11 and sediment samples were collected from only two (2) of these core locations (TR11B and TR11C). Limited sediment sampling was due to similar creek bottom lithological conditions as observed at previous transect locations mentioned above. The cores were advanced to a maximum depth of 2 ft bcb and lithology of the cores consisted of fine to coarse sand, fine to medium gravel, trace silt, and fragments of glass and paint chips. Depth of water column varied from 7.2 to 17.8 ft bws. No VOCs, total PAHs, or PCB concentrations exceeded NYSDEC Class "A" SGVs. Three (3) samples [TR11C (0-0.5 ft) (0.5-1 ft) (1-2 ft)] indicated a metal (nickel) that was detected at a concentration exceeding the NYSDEC Class "A" SGV. All other parameters detected either were below Class "A" SGVs or did not have associated SGV criteria.

One surface water sample was collected from the transect and no parameters exceeded the NYSDEC Part 703 Class C water quality standards.

A summary of the sediment analytical results are provided in Tables 2 through 6, while a summary of the surface water analytical results is provided in Table 7. Sediment analytical results for VOCs are depicted in Figures 3.1 through 3.4, total PAHs in Figures 4.1 through 4.4, TAL metals in Figures 5.1 through 5.4, and PCBs in Figures 6.1 through 6.4. Surface water analytical results are graphically depicted in Figure 7.1 for VOCs, Figure 7.2 for PAHs, Figure 7.3 for metals, and Figure 7.4 for PCBs.

Sediment core logs are provided in Appendix C, while a photographic log documenting all field activities is provided in Appendix D.

SECTION 4

SUMMARY

This section summarizes the results of the preliminary ecological screening for sediment and surface water samples collected in Fishkill Creek.

4.1 SEDIMENT AND SURFACE WATER SAMPLING EVENT CONCLUSIONS

Based on reviewing analytical results summarized in Section 3, the following conclusions can be made:

- No VOC, total PAHs, or PCB concentrations exceeded NYSDEC Class "A" SGVs in sediment samples with the exception of one sediment location for total PAHs. One sediment sample location exhibited total PAHs at concentrations greater than the Class "C" SGV.
- Sediment samples had concentrations of eight (8) metals (arsenic, chromium, copper, lead, mercury, nickel, silver, and zinc) greater than NYSDEC Class "A" SGVs.
- Sediment samples collected at three locations had concentrations for metals (nickel or mercury) that exceeded NYSDEC Class "C" SGV.
- Surface water samples from three transect locations had concentrations for TAL metals that exceeded the NYSDEC Part 703 Class C water quality standards.

SECTION 5

REFERENCES

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Parsons, 2014a, Work Plan for the Fishkill Creek Sediment Sampling Program, Former Texaco Research Center, Beacon, New York, July 2014.

Parsons. 2014b, Generic Quality Assurance Project Plan, Former Chevron Research Center, Beacon, New York, August 2007, (Revised July 2014).

Parsons. 2014c, Generic Sampling and Analysis Plan, Site Investigation Activities, Former Chevron Research Center, Beacon, New York, August 2007, (Revised July 2014).

TABLES

TABLE 1

DEPTH OF WATER COLUMN AT SEDIMENT SAMPLING LOCATONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

Sediment Sample Location ID	Start Date	Complete Date	Water Depth[(1)]	Depth Units
TR01_A	8/18/2014	8/19/2014	2.67	ft
TR01_B	8/18/2014	8/19/2014	3.25	ft
TR01_C	8/18/2014	8/19/2014	2.5	ft
TR01_D	8/18/2014	8/19/2014	2.08	ft
TR01_E	8/18/2014	8/19/2014	3.17	ft
TR02_A	8/14/2014	8/14/2014	2.17	ft
TR02_B	8/19/2014	8/20/2014	3.0	ft
TR02_C	8/19/2014	8/20/2014	2.17	ft
TR02_D	8/19/2014	8/20/2014	2.83	ft
TR02_E	8/19/2014	8/20/2014	1.0	ft
TR03_A	8/26/2014	8/26/2014	4.1	ft
TR03_B	8/26/2014	8/26/2014	4.0	ft
TR03_C	8/26/2014	8/27/2014	2.5	ft
TR04_A	8/27/2014	8/27/2014	6.2	ft
TR04_B	8/27/2014	8/27/2014	6.2	ft
TR04_C	8/27/2014	8/27/2014	6.5	ft
TR05_A	8/26/2014	8/27/2014	3.2	ft
TR05_B	8/26/2014	8/26/2014	8.2	ft
TR05_C	8/26/2014	8/27/2014	7.5	ft
TR05_D	8/25/2014	8/26/2014	1.2	ft
TR05_E	8/25/2014	8/26/2014	1.5	ft
TR06_A	8/26/2014	8/27/2014	3.2	ft
TR06_B	8/25/2014	8/26/2014	7.7	ft
TR06_C	8/25/2014	8/26/2014	8.3	ft
TR06_D	8/25/2014	8/26/2014	6.0	ft
TR06_E	8/25/2014	8/25/2014	3.0	ft
TR07_A	8/22/2014	8/25/2014	5.1	ft
TR07_B	8/21/2014	8/22/2014	5.43	ft
TR07_C	8/22/2014	8/25/2014	6.4	ft
TR07_D	8/22/2014	8/25/2014	3.3	ft
TR07_E	8/22/2014	8/25/2014	2.2	ft
TR08_A	9/9/2014	9/9/2014	5.9	ft
TR08_A-R1	9/9/2014	9/9/2014	5.5	ft
TR08_A-R2	9/9/2014	9/9/2014	5.9	ft
TR08_A-R3	9/9/2014	9/9/2014	5.8	ft
TR08_A-R4	9/9/2014	9/9/2014	6.8	ft
TR08_A-R5	9/9/2014	9/9/2014	6.5	ft
TR08_B	9/9/2014	9/9/2014	3.9	ft
TR08_B-R1	9/9/2014	9/9/2014	3.9	ft
TR08_B-R2	9/9/2014	9/9/2014	4.2	ft
TR08_B-R3	9/9/2014	9/9/2014	4.3	ft
TR08_B-R4	9/9/2014	9/9/2014	7.2	ft
TR08_B-R5	9/9/2014	9/9/2014	7.7	ft
TR08_B-R6	9/9/2014	9/9/2014	1.5	ft
TR08_C	9/9/2014	9/9/2014	1.5	ft
TR08_C-R1	9/9/2014	9/9/2014	1.7	ft

TABLE 1

DEPTH OF WATER COLUMN AT SEDIMENT SAMPLING LOCATONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

Sediment Sample Location ID	Start Date	Complete Date	Water Depth[(1)]	Depth Units
TR08_C-R2	9/9/2014	9/9/2014	1.5	ft
TR08_C-R3	9/9/2014	9/9/2014	1.5	ft
TR08_C-R4	9/9/2014	9/9/2014	1.8	ft
TR09_A	9/9/2014	9/9/2014	3.5	ft
TR09_A-R1	9/9/2014	9/9/2014	3.5	ft
TR09_A-R2	9/9/2014	9/9/2014	5.5	ft
TR09_A-R3	9/9/2014	9/9/2014	5.7	ft
TR09_B	9/9/2014	9/9/2014	5.3	ft
TR09_B-R1	9/9/2014	9/9/2014	5.3	ft
TR09_B-R2	9/9/2014	9/9/2014	5.3	ft
TR09_B-R3	9/9/2014	9/9/2014	5.1	ft
TR09_C	9/9/2014	9/10/2014	1.5	ft
TR09_C-R1	9/9/2014	9/10/2014	1.5	ft
TR09_C-R2	9/9/2014	9/10/2014	1.5	ft
TR09_C-R3	9/9/2014	9/10/2014	1.5	ft
TR10_A	9/10/2014	9/10/2014	3.6	ft
TR10_A-R1	9/10/2014	9/10/2014	2.7	ft
TR10_A-R2	9/10/2014	9/10/2014	3	ft
TR10_A-R3	9/10/2014	9/10/2014	3.6	ft
TR10_B	9/10/2014	9/10/2014	11.3	ft
TR10_B-R1	9/10/2014	9/10/2014	11.3	ft
TR10_B-R2	9/10/2014	9/10/2014	11.8	ft
TR10_B-R3	9/10/2014	9/10/2014	8.5	ft
TR10_C	9/10/2014	9/10/2014	4.3	ft
TR10_C-R1	9/10/2014	9/10/2014	4.3	ft
TR10_C-R2	9/10/2014	9/10/2014	6.7	ft
TR10_C-R3	9/10/2014	9/10/2014	8.2	ft
TR11_A	9/10/2014	9/10/2014	7.2	ft
TR11_A-R1	9/10/2014	9/10/2014	7.2	ft
TR11_A-R2	9/10/2014	9/10/2014	7.8	ft
TR11_A-R3	9/10/2014	9/10/2014	8.1	ft
TR11_B	9/10/2014	9/11/2014	17.5	ft
TR11_B-R1	9/10/2014	9/11/2014	17.5	ft
TR11_B-R2	9/10/2014	9/11/2014	17.5	ft
TR11_B-R3	9/10/2014	9/11/2014	17.5	ft
TR11_C	9/10/2014	9/11/2014	17.8	ft
TR11_C-R1	9/10/2014	9/11/2014	17.8	ft
TR11_C-R2	9/10/2014	9/11/2014	17.7	ft
TR11_C-R3	9/10/2014	9/11/2014	17.8	ft

(1) Depth of water was measured from top of water surface (Fishkill Creek) to top of creek bottom.

ft - Feet

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location	TR01_A	TR01_A	TR01_A	TR01_A	TR01_B	TR01_B	TR01_B	TR01_B	TR01_C	TR01_C	TR01_C	TR01_C
						Field Sample ID	CVX-0004-01	CVX-0004-02	CVX-0004-03	CVX-0004-08	CVX-0004-04	CVX-0004-05	CVX-0004-06	CVX-0004-07	CVX-0004-09	CVX-0004-10	CVX-0004-11	CVX-0004-12
						Sample Date	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014
						Sample Delivery Group	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485
						Sample Depth	0-0.5 FT	0.5-1 FT	1-2 FT	2-2.7 FT	0-0.5 FT	0.5-1 FT	1-2 FT	1-2 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-2.9 FT
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample
						Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS			12400	24400	9340	9270	6870	21700	1590	1680	9860	1050	1550	1220
Lloyd Kahn modified	Total Organic Carbon		NS	NS			0.0124	0.0244	0.00934	0.00927	0.00687	0.0217	0.00159	0.00168	0.00986	0.00105	0.00155	0.00122
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/kg	26.079	235.952	390	3500	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	NS	NS			5 U	5 U	4 U	4 U	4 U	5 U	4 U	3 U	5 U	4 U	4 U	3 U
SW-846 8260C	2-Hexanone	ug/Kg	NS	NS			3 U	4 U	3 U	3 U	3 U	4 U	3 U	2 U	4 U	3 U	3 U	3 U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	NS	NS			3 U	4 U	3 U	3 U	3 U	4 U	3 U	2 U	4 U	3 U	3 U	3 U
SW-846 8260C	Acetone	ug/Kg	NS	NS			15 J	10 J	24	7 U	13 J	18 J	10 J	10 J	28	24	11 J	16 J
SW-846 8260C	Benzene	ug/Kg	26.555	96.105	400	1400	0.6 U	0.6 U	0.5 U	0.5 U	0.5 U	0.6 U	0.5 U	0.4 U	0.6 U	0.5 U	0.5 U	0.4 U
SW-846 8260C	Bromodichloromethane	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Bromoform	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
SW-846 8260C	Carbon Disulfide	ug/Kg	NS	NS			3 J	7	2 J	1 U	2 J	16	1 J	2 J	8	6	1 J	5
SW-846 8260C	Carbon Tetrachloride	ug/Kg	53.291	478.407	800	7200	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Chlorobenzene	ug/Kg	9.833	85.215	150	1300	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Chloroethane	ug/Kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
SW-846 8260C	Chloroform	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Dibromochloromethane	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Ethylbenzene	ug/kg	21.241	187.422	320	2800	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
SW-846 8260C	Styrene	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Tetrachloroethene	ug/Kg	814.107	2860.377	12000	43000	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Toluene	ug/Kg	46.469	223.049	700	3300	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	59.354	529.944	890	7900	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	89.057	429.93	1300	6400	1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U
SW-846 8260C	Xylenes, Total	ug/Kg	NS	NS			1 U	1 U	1 U	1 U	1 U	1 U	0.9 U	0.8 U	1 U	1 U	1 U	0.9 U

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location	TR01_D	TR01_D	TR01_D	TR01_D	TR01_E	TR01_E	TR02_A	TR02_A	TR02_B	TR02_C	TR02_D	TR02_D
						Field Sample ID	CVX-0004-13	CVX-0004-14	CVX-0004-15	CVX-0004-16	CVX-0004-17	CVX-0004-18	CVX-0001-01	CVX-0001-02	CVX-0005-01	CVX-0005-04	CVX-0005-05	CVX-0005-06
						Sample Date	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/14/2014	8/14/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014
						Sample Delivery Group	1497485	1497485	1497485	1497485	1497485	1497485	1496370	1496370	1497631	1497631	1497631	1497631
						Sample Depth	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0-0.5 FT	0-0.5 FT	0.5-1 FT
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
						Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS			11700	27500 J+	2440	4080	116 U	110 U	21600	4860	2330	8090	10400	3560
Lloyd Kahn modified	Total Organic Carbon		NS	NS			0.0117	0.0275	0.00244	0.00408	0.000116	0.00011	0.0216	0.00486	0.00233	0.00809	0.0104	0.00356
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	R	R	1 U	1 U
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/kg	26.079	235.952	390	3500	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	1,2-Dichloroethane	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	1,2-Dichloropropane	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/kg	NS	NS			5 U	6 U	4 U	5 U	4 U	3 U	4 U	3 U	4 U	5 U	6 U	4 UJ
SW-846 8260C	2-Hexanone	ug/kg	NS	NS			4 U	5 U	3 U	4 U	3 U	2 U	3 U	R	3 U	4 U	4 U	3 U
SW-846 8260C	4-Methyl-2-pentanone	ug/kg	NS	NS			4 U	5 U	3 U	4 U	3 U	2 U	3 U	2 U	3 U	4 U	4 U	3 U
SW-846 8260C	Acetone	ug/kg	NS	NS			53	67	11 J	22 J	6 U	6 U	45	20	9 J	24	32	26
SW-846 8260C	Benzene	ug/kg	26.555	96.105	400	1400	0.6 U	0.8 U	0.5 U	0.6 U	0.5 U	0.4 U	0.5 U	0.4 U	0.5 U	0.6 U	0.7 U	0.5 U
SW-846 8260C	Bromodichloromethane	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	Bromoform	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/kg	NS	NS			3 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U
SW-846 8260C	Carbon Disulfide	ug/kg	NS	NS			9	8	4 J	3 J	1 J	0.8 U	2 J	0.8 U	0.9 U	1 U	1 U	1 J
SW-846 8260C	Carbon Tetrachloride	ug/kg	53.291	478.407	800	7200	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	Chlorobenzene	ug/kg	9.833	85.215	150	1300	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U
SW-846 8260C	Chloroethane	ug/kg	NS	NS			3 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U
SW-846 8260C	Chloroform	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/kg	NS	NS			3 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U
SW-846 8260C	cis-1,2-Dichloroethene	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	Dibromochloromethane	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U
SW-846 8260C	Ethylbenzene	ug/kg	21.241	187.422	320	2800	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/kg	NS	NS			3 U	3 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	3 U	2 U
SW-846 8260C	Styrene	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U
SW-846 8260C	Tetrachloroethene	ug/kg	814.107	2860.377	12000	43000	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U
SW-846 8260C	Toluene	ug/kg	46.469	223.049	700	3300	1 U	3 J	1 U	1 U	0.9 U	0.8 U	0.9 U	R	1 J	1 U	1 U	1 U
SW-846 8260C	trans-1,2-Dichloroethene	ug/kg	59.354	529.944	890	7900	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	trans-1,3-Dichloropropene	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/kg	89.057	429.93	1300	6400	1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	0.8 U	0.9 U	1 U	1 U	1 U
SW-846 8260C	Xylenes, Total	ug/kg	NS	NS			1 U	2 U	1 U	1 U	0.9 U	0.8 U	0.9 U	R	0.9 U	1 U	1 U	1 U

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location	TR02_E		TR02_E		TR02_E		TR02_E		TR03_C		TR03_C		TR04_C		TR04_C		TR04_C		TR04_C		TR04_C		TR05_A	
						Field Sample ID	CVX-0005-07		CVX-0005-08		CVX-0005-09		CVX-0005-10		CVX-0011-12		CVX-0011-13		CVX-0007-01		CVX-0007-02		CVX-0007-03		CVX-0007-04		CVX-0007-05		CVX-0011-05	
						Sample Date	8/20/2014		8/20/2014		8/20/2014		8/20/2014		8/27/2014		8/27/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/27/2014	
						Sample Delivery Group	1497631		1497631		1497631		1497631		1499492		1499492		1498092		1498092		1498092		1498092		1498092		1499492	
						Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.75 FT		0-0.5 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		2-3 Ft		0-0.5 FT	
						Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
						Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample	
						Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**																								
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS			38300		64400		16800		5720		2650	J	929	J	46800	J	42300		41800		44900	J	19400	J	8190	
Lloyd Kahn modified	Total Organic Carbon		NS	NS			0.0383		0.0644		0.0168		0.00572		0.00265		0.000929		0.0468		0.0423		0.0418		0.0449		0.0194		0.00819	
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000		R		R		R	1	U		R	1	U		R		R		R		R		R	1	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/kg	26.079	235.952	390	3500	3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,2-Dichloroethane	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,2-Dichloropropane	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/kg	NS	NS			43		49		7	U	4	UJ	4	U	4	U	23	J	11	U	17	U	10	U	11	UJ	5	U
SW-846 8260C	2-Hexanone	ug/kg	NS	NS			9	U	13	U	5	U	3	U	3	U	3	U	R		8	U	13	U	7	U	8	U	4	U
SW-846 8260C	4-Methyl-2-pentanone	ug/kg	NS	NS			9	U	13	U	5	U	3	U	3	U	3	U	12	U	8	U	13	U	7	U	8	U	4	U
SW-846 8260C	Acetone	ug/kg	NS	NS			490	J+	490		49		12	J	11	J	10	J	300	J+	100		230		95	J+	140		18	J
SW-846 8260C	Benzene	ug/kg	26.555	96.105	400	1400	2	U	2	U	0.8	U	0.5	U	0.5	U	0.5	U	2	U	1	U	2	U	1	U	1	U	0.6	U
SW-846 8260C	Bromodichloromethane	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Bromoform	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/kg	NS	NS			6	U	9	U	3	U	2	U	2	U	2	U	8	U	6	U	8	U	5	U	5	U	3	U
SW-846 8260C	Carbon Disulfide	ug/kg	NS	NS			19		30		4	J	2	J	18		15		26		7	J	20	J	9	J	10	J	1	J
SW-846 8260C	Carbon Tetrachloride	ug/kg	53.291	478.407	800	7200	3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Chlorobenzene	ug/kg	9.833	85.215	150	1300	3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Chloroethane	ug/kg	NS	NS			6	U	9	U	3	U	2	U	2	U	2	U	8	U	6	U	8	U	5	U	5	U	3	U
SW-846 8260C	Chloroform	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/kg	NS	NS			6	U	9	U	3	U	2	U	2	U	2	U	8	U	6	U	8	U	5	U	5	U	3	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Dibromochloromethane	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Ethylbenzene	ug/kg	21.241	187.422	320	2800	3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/kg	NS	NS			6	U	9	U	3	U	2	U	2	U	2	U	8	U	6	U	8	U	5	U	5	U	3	U
SW-846 8260C	Styrene	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Tetrachloroethene	ug/kg	814.107	2860.377	12000	43000	3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Toluene	ug/kg	46.469	223.049	700	3300	3	U	4	U	2	U	1	U	1	U	1	U	8	J	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/kg	59.354	529.944	890	7900	3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/kg	89.057	429.93	1300	6400	3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	5	J
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Xylenes, Total	ug/kg	NS	NS			3	U	4	U	2	U	1	U	1	U	1	U	R		3	U	4	U	2	U	3	U	1	U

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location	TR05_A	TR05_A	TR05_A	TR05_B	TR05_B	TR05_C	TR05_C	TR05_D	TR05_D	TR05_D	TR05_D	TR05_E
						Field Sample ID	CVX-0011-06	CVX-0011-07	CVX-0011-08	CVX-0010-19	CVX-0010-20	CVX-0011-10	CVX-0011-11	CVX-0010-08	CVX-0010-09	CVX-0010-10	CVX-0010-11	CVX-0010-01
						Sample Date	8/27/2014	8/27/2014	8/27/2014	8/26/2014	8/26/2014	8/27/2014	8/27/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014
						Sample Delivery Group	1499492	1499492	1499492	1499124	1499124	1499492	1499492	1499124	1499124	1499124	1499124	1499124
						Sample Depth	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
						Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS			499	1150	1230	515	108 U	101000 J	42400	40500	35500	41500	14900	42900
Lloyd Kahn modified	Total Organic Carbon		NS	NS			0.000499	0.00115	0.00123	0.000515	0.000108	0.101	0.0424	0.0405	0.0355	0.0415	0.0149	0.0429
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000	1 U	1 U	1 U	0.9 U	0.8 U	R	3 U	R	R	R	2 U	3 U
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/kg	26.079	235.952	390	3500	1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	1,2-Dichloroethane	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	1,2-Dichloropropane	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/kg	NS	NS			5 U	4 U	6 J	4 U	3 U	19 J	14 J	13 U	14 U	17 U	8 U	22 J
SW-846 8260C	2-Hexanone	ug/kg	NS	NS			4 U	3 U	3 U	3 U	2 U	14 UJ	9 U	10 U	10 U	13 U	6 U	10 U
SW-846 8260C	4-Methyl-2-pentanone	ug/kg	NS	NS			4 U	3 U	3 U	3 U	2 U	14 UJ	9 U	10 U	10 U	13 U	6 U	10 U
SW-846 8260C	Acetone	ug/kg	NS	NS			17 J	13 J	63	6 U	5 U	220 J	180	120	120	110	37 J	180
SW-846 8260C	Benzene	ug/kg	26.555	96.105	400	1400	0.6 U	0.5 U	0.5 U	0.5 U	0.4 U	2 UJ	1 U	2 U	2 U	2 U	1 U	3 J
SW-846 8260C	Bromodichloromethane	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Bromoform	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	9 UJ	6 U	6 U	7 U	8 U	4 U	7 U
SW-846 8260C	Carbon Disulfide	ug/kg	NS	NS			1 U	1 U	1 J	15	1 J	18 J	17	26	13 J	18 J	5 J	20
SW-846 8260C	Carbon Tetrachloride	ug/kg	53.291	478.407	800	7200	1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Chlorobenzene	ug/kg	9.833	85.215	150	1300	1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	16 J
SW-846 8260C	Chloroethane	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	9 UJ	6 U	6 U	7 U	8 U	4 U	7 U
SW-846 8260C	Chloroform	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	9 UJ	6 U	6 U	7 U	8 U	4 U	7 U
SW-846 8260C	cis-1,2-Dichloroethene	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Dibromochloromethane	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Ethylbenzene	ug/kg	21.241	187.422	320	2800	1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	9 UJ	6 U	6 U	7 U	8 U	4 U	7 U
SW-846 8260C	Styrene	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Tetrachloroethene	ug/kg	814.107	2860.377	12000	43000	1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Toluene	ug/kg	46.469	223.049	700	3300	1 U	1 U	1 U	0.9 U	0.8 U	6 J	6 J	5 J	5 J	5 J	2 U	7 J
SW-846 8260C	trans-1,2-Dichloroethene	ug/kg	59.354	529.944	890	7900	1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	trans-1,3-Dichloropropene	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/kg	89.057	429.93	1300	6400	2 J	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	3 U
SW-846 8260C	Xylenes, Total	ug/kg	NS	NS			1 U	1 U	1 U	0.9 U	0.8 U	5 UJ	3 U	3 U	3 U	4 U	2 U	5 J

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location	TR05_E	TR05_E	TR05_E	TR05_E	TR06_A	TR06_A	TR06_A	TR06_A	TR06_B	TR06_B	TR06_B	TR06_C
						Field Sample ID	CVX-0010-02	CVX-0010-03	CVX-0010-04	CVX-0010-05	CVX-0011-01	CVX-0011-02	CVX-0011-03	CVX-0011-04	CVX-0010-12	CVX-0010-13	CVX-0010-14	CVX-0010-06
						Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/27/2014	8/27/2014	8/27/2014	8/27/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014
						Sample Delivery Group	1499124	1499124	1499124	1499124	1499492	1499492	1499492	1499492	1499124	1499124	1499124	1499124
						Sample Depth	0.5-1 FT	1-2 FT	2-3 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	0-0.5 FT
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Sample Purpose	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
						Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS			37600	214 J	401	373	24400	54300	1250	2110	2470	1550	1890	13300
Lloyd Kahn modified	Total Organic Carbon		NS	NS			0.0376	0.000214	0.000401	0.000373	0.0244	0.0543	0.00125	0.00211	0.00247	0.00155	0.00189	0.0133
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	38	41	4 J	6	1 U	0.8 U	1 U	2 U
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	3 U	0.9 U	0.9 U	0.8 U	38	41	4 J	6	1 U	0.8 U	1 U	2 U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000	3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	130	140	26	18	1 U	0.8 U	1 U	2 U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/kg	26.079	235.952	390	3500	3 U	0.9 U	0.9 U	0.8 U	34	51	14	12	1 U	0.8 U	1 U	2 U
SW-846 8260C	1,2-Dichloroethane	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	1,2-Dichloropropane	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/kg	NS	NS			11 U	4 U	3 U	3 U	24 J	12 U	4 U	5 U	4 U	3 U	5 U	26
SW-846 8260C	2-Hexanone	ug/kg	NS	NS			8 U	3 U	3 U	2 U	10 U	9 U	3 U	4 U	3 U	3 U	3 U	5 U
SW-846 8260C	4-Methyl-2-pentanone	ug/kg	NS	NS			8 U	3 U	3 U	2 U	10 U	9 U	3 U	4 U	3 U	3 U	3 U	5 U
SW-846 8260C	Acetone	ug/kg	NS	NS			50 J	7 U	6 J	6 U	220	70	8 U	11 J	15 J	10 J	11 J	260
SW-846 8260C	Benzene	ug/kg	26.555	96.105	400	1400	8 J	1 J	0.8 J	0.8 J	33	18	1 J	1 J	0.5 U	0.4 U	0.6 U	0.9 U
SW-846 8260C	Bromodichloromethane	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Bromoform	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/kg	NS	NS			6 U	2 U	2 U	2 U	7 U	6 U	2 U	3 U	2 U	2 U	2 U	3 U
SW-846 8260C	Carbon Disulfide	ug/kg	NS	NS			11 J	3 J	1 J	0.9 J	20	7 J	4 J	2 J	8	8	6	12
SW-846 8260C	Carbon Tetrachloride	ug/kg	53.291	478.407	800	7200	3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Chlorobenzene	ug/kg	9.833	85.215	150	1300	7 J	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Chloroethane	ug/kg	NS	NS			6 U	2 U	2 U	2 U	26	6 J	2 U	3 U	2 U	2 U	2 U	3 U
SW-846 8260C	Chloroform	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/kg	NS	NS			6 U	2 U	2 U	2 U	7 U	6 U	2 U	3 U	2 U	2 U	2 U	3 U
SW-846 8260C	cis-1,2-Dichloroethene	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	34	39	6	6 J	1 U	0.8 U	1 U	2 U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Dibromochloromethane	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Ethylbenzene	ug/kg	21.241	187.422	320	2800	3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/kg	NS	NS			6 U	2 U	2 U	2 U	7 U	6 U	2 U	3 U	2 U	2 U	2 U	3 U
SW-846 8260C	Styrene	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Tetrachloroethene	ug/kg	814.107	2860.377	12000	43000	3 U	0.9 U	0.9 U	0.8 U	10 J	10 J	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Toluene	ug/kg	46.469	223.049	700	3300	5 J	0.9 U	0.9 U	0.8 U	3 J	3 U	1 U	1 U	1 U	0.8 U	1 U	4 J
SW-846 8260C	trans-1,2-Dichloroethene	ug/kg	59.354	529.944	890	7900	3 U	0.9 U	0.9 U	0.8 U	4 J	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	trans-1,3-Dichloropropene	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/kg	89.057	429.93	1300	6400	3 U	0.9 U	0.9 U	0.8 U	51	53	6	8	1 U	0.8 U	1 U	2 U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/kg	NS	NS			3 U	0.9 U	0.9 U	0.8 U	37	43	3 J	1 U	1 U	0.8 U	1 U	2 U
SW-846 8260C	Xylenes, Total	ug/kg	NS	NS			4 J	0.9 U	0.9 U	0.8 U	3 U	3 U	1 U	1 U	1 U	0.8 U	1 U	2 U

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location	TR06_C	TR06_D	TR06_D	TR06_D	TR06_D	TR06_E	TR06_E	TR06_E	TR06_E	TR07_A	TR07_A	TR07_A
						Field Sample ID	CVX-0010-07	CVX-0010-15	CVX-0010-16	CVX-0010-17	CVX-0010-18	CVX-0009-16	CVX-0009-17	CVX-0009-18	CVX-0009-19	CVX-0009-01	CVX-0009-02	CVX-0009-03
						Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014
						Sample Delivery Group	1499124	1499124	1499124	1499124	1499124	1498701	1498701	1498701	1498701	1498701	1498701	1498701
						Sample Depth	0.5-1 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
						Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS			2790	7620	23200	9290	12800	20400	39600	14500	8450	24700	33900	40500
Lloyd Kahn modified	Total Organic Carbon		NS	NS			0.00279	0.00762	0.0232	0.00929	0.0128	0.0204	0.0396	0.0145	0.00845	0.0247	0.0339	0.0405
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000	2 U	2 U	R	2 U	2 U	R	2 U	2 U	1 U	1 U	R	R
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/kg	26.079	235.952	390	3500	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	1,2-Dichloroethane	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	1,2-Dichloropropane	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/kg	NS	NS			7 U	6 U	8 U	7 U	7 U	11 J	9 U	7 U	6 U	7 J	43	15 J
SW-846 8260C	2-Hexanone	ug/kg	NS	NS			5 U	5 U	6 U	6 U	5 U	7 U	7 U	5 U	4 U	4 U	6 U	8 U
SW-846 8260C	4-Methyl-2-pentanone	ug/kg	NS	NS			5 U	5 U	6 U	6 U	5 U	7 U	7 U	5 U	4 U	4 U	6 U	8 U
SW-846 8260C	Acetone	ug/kg	NS	NS			25 J	26 J	44	30 J	38	130	27 J	25 J	17 J	63	360	130
SW-846 8260C	Benzene	ug/kg	26.555	96.105	400	1400	0.9 U	0.8 U	1 U	0.9 U	0.8 U	1 U	1 U	0.9 U	0.7 U	0.7 U	1 U	1 U
SW-846 8260C	Bromodichloromethane	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Bromoform	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	1 U	1 U	2 U	3 U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/kg	NS	NS			4 U	3 U	4 U	4 U	3 U	5 U	4 U	4 U	3 U	3 U	4 U	5 U
SW-846 8260C	Carbon Disulfide	ug/kg	NS	NS			5 J	3 J	5 J	5 J	5 J	13	7 J	2 J	2 J	6 J	20	9 J
SW-846 8260C	Carbon Tetrachloride	ug/kg	53.291	478.407	800	7200	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Chlorobenzene	ug/kg	9.833	85.215	150	1300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Chloroethane	ug/kg	NS	NS			4 U	3 U	4 U	4 U	3 U	5 U	4 U	4 U	3 U	3 U	4 U	5 U
SW-846 8260C	Chloroform	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/kg	NS	NS			4 U	3 U	4 U	4 U	3 U	5 U	4 U	4 U	3 U	3 U	4 U	5 U
SW-846 8260C	cis-1,2-Dichloroethene	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Dibromochloromethane	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Ethylbenzene	ug/kg	21.241	187.422	320	2800	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/kg	NS	NS			4 U	3 U	4 U	4 U	3 U	5 U	4 U	4 U	3 U	3 U	4 U	5 U
SW-846 8260C	Styrene	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Tetrachloroethene	ug/kg	814.107	2860.377	12000	43000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Toluene	ug/kg	46.469	223.049	700	3300	2 J	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	trans-1,2-Dichloroethene	ug/kg	59.354	529.944	890	7900	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	trans-1,3-Dichloropropene	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/kg	89.057	429.93	1300	6400	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U
SW-846 8260C	Xylenes, Total	ug/kg	NS	NS			2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	2 U	3 U

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location	TR07_A	TR07_B	TR07_B	TR07_B	TR07_B	TR07_B	TR07_B	TR07_B	TR07_C	TR07_C	TR07_D	TR07_D
						Field Sample ID	CVX-0009-04	CVX-0008-01	CVX-0008-02	CVX-0008-03	CVX-0008-04	CVX-0008-05	CVX-0008-06	CVX-0008-07	CVX-0009-05	CVX-0009-06	CVX-0009-07	CVX-0009-08
						Sample Date	8/25/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014
						Sample Delivery Group	1498701	1498276	1498276	1498276	1498276	1498276	1498276	1498276	1498701	1498701	1498701	1498701
						Sample Depth	1-2 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	3-4 FT	4-5 FT	5-6 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Sample Purpose	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
						Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS			47300	118 U	23700	20400	5770	20900	13000	12600	417	216 J	11200	24500
Lloyd Kahn modified	Total Organic Carbon		NS	NS			0.0473	0.000118	0.0237	0.0204	0.00577	0.0209	0.013	0.0126	0.000417	0.000216	0.0112	0.0245
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/kg	26.079	235.952	390	3500	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	1,2-Dichloroethane	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	1,2-Dichloropropane	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/kg	NS	NS			17 J	5 U	9 U	9 U	6 U	8 U	6 U	5 U	5 U	4 U	5 U	5 U
SW-846 8260C	2-Hexanone	ug/kg	NS	NS			7 U	3 U	7 U	7 U	4 U	6 U	4 U	4 U	3 U	3 U	4 U	4 U
SW-846 8260C	4-Methyl-2-pentanone	ug/kg	NS	NS			7 U	3 U	7 U	7 U	4 U	6 U	4 U	4 U	3 U	3 U	4 U	4 U
SW-846 8260C	Acetone	ug/kg	NS	NS			200	9 J	58	45	10 U	42	10 U	46	8 U	7 U	24 J	20 J
SW-846 8260C	Benzene	ug/kg	26.555	96.105	400	1400	1 U	0.6 U	1 U	1 U	0.7 U	1 U	0.7 U	0.7 U	0.6 U	0.5 U	0.7 U	0.7 U
SW-846 8260C	Bromodichloromethane	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Bromoform	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/kg	NS	NS			4 U	2 U	5 U	4 U	3 U	4 U	3 U	3 U	2 U	2 U	3 U	3 U
SW-846 8260C	Carbon Disulfide	ug/kg	NS	NS			8 J	3 J	4 J	4 J	2 J	6 J	1 U	3 J	5 J	5 J	4 J	2 J
SW-846 8260C	Carbon Tetrachloride	ug/kg	53.291	478.407	800	7200	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Chlorobenzene	ug/kg	9.833	85.215	150	1300	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Chloroethane	ug/kg	NS	NS			4 U	2 U	5 U	4 U	3 U	4 U	3 U	3 U	2 U	2 U	3 U	3 U
SW-846 8260C	Chloroform	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/kg	NS	NS			4 U	2 U	5 U	4 U	3 U	4 U	3 U	3 U	2 U	2 U	3 U	3 U
SW-846 8260C	cis-1,2-Dichloroethene	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Dibromochloromethane	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Ethylbenzene	ug/kg	21.241	187.422	320	2800	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/kg	NS	NS			4 U	2 U	5 U	4 U	3 U	4 U	3 U	3 U	2 U	2 U	3 U	3 U
SW-846 8260C	Styrene	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Tetrachloroethene	ug/kg	814.107	2860.377	12000	43000	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Toluene	ug/kg	46.469	223.049	700	3300	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	trans-1,2-Dichloroethene	ug/kg	59.354	529.944	890	7900	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	trans-1,3-Dichloropropene	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/kg	89.057	429.93	1300	6400	2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
SW-846 8260C	Xylenes, Total	ug/kg	NS	NS			2 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location	TR07_D	TR07_D	TR07_E	TR07_E	TR07_E	TR07_E	TR07_E	TR09_C	TR10_A	TR10_A	TR10_A	TR10_A
						Field Sample ID	CVX-0009-09	CVX-0009-10	CVX-0009-11	CVX-0009-12	CVX-0009-13	CVX-0009-14	CVX-0009-15	CVX-0013-01	CVX-0013-02	CVX-0013-03	CVX-0013-04	CVX-0013-05
						Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	9/10/2014	9/10/2014	9/10/2014	9/10/2014	9/10/2014
						Sample Delivery Group	1498701	1498701	1498701	1498701	1498701	1498701	1498701	1502680	1502680	1502680	1502680	1502680
						Sample Depth	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	3-4 FT	0-0.5 FT	0-0.5 FT	0.5-1 FT	1-2 FT	1-2 FT
						Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
						Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate
						Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS			870	1920	19600	28800	8430	48700	2160	2170	3200	2280	2470	2930
Lloyd Kahn modified	Total Organic Carbon		NS	NS			0.00087	0.00192	0.0196	0.0288	0.00843	0.0487	0.00216	0.00217	0.0032	0.00228	0.00247	0.00293
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000	1 U	1 U	R	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/kg	26.079	235.952	390	3500	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	1,2-Dichloroethane	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 UJ	2 UJ	1 UJ	0.7 UJ	0.7
SW-846 8260C	1,2-Dichloropropane	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/kg	NS	NS			4 U	4 U	7 U	8 U	6 U	8 U	5 U	4 U	6 U	4 U	3 U	3
SW-846 8260C	2-Hexanone	ug/kg	NS	NS			3 U	3 U	6 U	6 U	4 U	6 U	4 U	3 U	5 U	3 U	2 U	2
SW-846 8260C	4-Methyl-2-pentanone	ug/kg	NS	NS			3 U	3 U	6 U	6 U	4 U	6 U	4 U	3 U	5 U	3 U	2 U	2
SW-846 8260C	Acetone	ug/kg	NS	NS			7 J	15 J	61	38	17 J	37 J	13 J	12 J	17 J	11 J	11 J	11
SW-846 8260C	Benzene	ug/kg	26.555	96.105	400	1400	0.5 U	0.6 U	0.9 U	0.9 U	0.7 U	1 U	0.6 U	0.5 U	0.8 U	0.5 J	0.4 U	0.3
SW-846 8260C	Bromodichloromethane	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Bromoform	ug/kg	NS	NS			1 U	1 U	2 U	2 UJ	1 UJ	2 UJ	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Bromomethane (Methyl bromide)	ug/kg	NS	NS			2 U	2 U	4 U	4 U	3 U	4 U	2 U	2 U	3 U	2 U	1 U	1
SW-846 8260C	Carbon Disulfide	ug/kg	NS	NS			3 J	2 J	4 J	2 U	2 J	6 J	2 J	1 U	4 J	3 J	2 J	2
SW-846 8260C	Carbon Tetrachloride	ug/kg	53.291	478.407	800	7200	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Chlorobenzene	ug/kg	9.833	85.215	150	1300	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Chloroethane	ug/kg	NS	NS			2 U	2 U	4 U	4 U	3 U	4 U	2 U	2 U	3 U	2 U	1 U	1
SW-846 8260C	Chloroform	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Chloromethane (Methyl chloride)	ug/kg	NS	NS			2 U	2 U	4 U	4 U	3 U	4 U	2 U	2 U	3 U	2 U	1 U	1
SW-846 8260C	cis-1,2-Dichloroethene	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Dibromochloromethane	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Ethylbenzene	ug/kg	21.241	187.422	320	2800	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/kg	NS	NS			2 U	2 U	4 U	4 U	3 U	4 U	2 U	2 U	3 U	2 U	1 U	1
SW-846 8260C	Styrene	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Tetrachloroethene	ug/kg	814.107	2860.377	12000	43000	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Toluene	ug/kg	46.469	223.049	700	3300	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 J	0.9 J	0.9
SW-846 8260C	trans-1,2-Dichloroethene	ug/kg	59.354	529.944	890	7900	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	trans-1,3-Dichloropropene	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/kg	89.057	429.93	1300	6400	1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7
SW-846 8260C	Xylenes, Total	ug/kg	NS	NS			1 U	1 U	2 U	2 U	1 U	2 U	1 U	1 U	2 U	1 U	0.7 U	0.7

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

						Location		TR11_B		TR11_C		TR11_C		TR11_C	
						Field Sample ID		CVX-0014-01		CVX-0014-02		CVX-0014-03		CVX-0014-04	
						Sample Date		9/11/2014		9/11/2014		9/11/2014		9/11/2014	
						Sample Delivery Group		1502969		1502969		1502969		1502969	
						Sample Depth		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
						Matrix		SOIL		SOIL		SOIL		SOIL	
						Sample Purpose		Regular sample		Regular sample		Regular sample		Regular sample	
						Sample Type		Sediment		Sediment		Sediment		Sediment	
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/gOC[(1)]**	**FW Class C SGV ug/gOC[(1)]**	**Site Specific Class A SGV ug/kg**	**Site Specific Class C SGV ug/kg**									
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS				107	U	349		667		668	
Lloyd Kahn modified	Total Organic Carbon		NS	NS				0.000107		0.000349		0.000667		0.000668	
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,1,2-Trichloroethane	ug/kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Trichloroethane	ug/kg	93.596	176.34	1400	2600	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	138.689	268.43	2100	4000	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	26.079	235.952	390	3500	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	NS	NS			UJ	1	UJ	0.8	UJ	1	UJ	0.8	UJ
SW-846 8260C	1,2-Dichloropropane	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	NS	NS			U	5	U	3	U	4	U	3	U
SW-846 8260C	2-Hexanone	ug/Kg	NS	NS			U	4	U	3	U	3	U	2	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	NS	NS			U	4	U	3	U	3	U	2	U
SW-846 8260C	Acetone	ug/Kg	NS	NS			J	10	J	32		19	J	10	J
SW-846 8260C	Benzene	ug/Kg	26.555	96.105	400	1400	U	0.6	U	0.4	U	0.5	U	0.4	U
SW-846 8260C	Bromodichloromethane	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Bromoform	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	NS	NS			U	2	U	2	U	2	U	2	U
SW-846 8260C	Carbon Disulfide	ug/Kg	NS	NS			J	2	J	2	J	3	J	4	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	53.291	478.407	800	7200	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Chlorobenzene	ug/Kg	9.833	85.215	150	1300	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Chloroethane	ug/Kg	NS	NS			U	2	U	2	U	2	U	2	U
SW-846 8260C	Chloroform	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	NS	NS			U	2	U	2	U	2	U	2	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Dibromochloromethane	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Ethylbenzene	ug/Kg	21.241	187.422	320	2800	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	NS	NS			U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Tetrachloroethene	ug/Kg	814.107	2860.377	12000	43000	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Toluene	ug/Kg	46.469	223.049	700	3300	J	1	U	1	J	1	U	0.8	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	59.354	529.944	890	7900	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	89.057	429.93	1300	6400	U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Xylenes, Total	ug/Kg	NS	NS			U	1	U	0.8	U	1	U	0.8	U

TABLE 2

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
VOLATILE ORGANIC COMPOUNDS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

Notes:

1. No criteria for Total Xylenes; however, criteria exist for individual isomers that were not reported by laboratory.
2. Site specific criteria use average sample TOC of 1.5%.

Parameter has no SGV

Parameter concentration less than Class A SGV

(1) - Sediment criteria obtained from the NYSDEC document entitled, "Screening and Assessment of Contaminated Sediment, New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources, Bureau of Habitat, June 24, 2014.

TOC - Total Organic Carbon
SGV - Sediment Guidance Value
NS - Not specified
mg/Kg - Milligrams per Kilograms
ug/Goc - Micrograms per grams of carbon
ug/Kg - Micrograms per Kilograms

J - The analyte was positively identified, but the quantitation is an estimation.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
UJ - The analyte was detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J+ - Estimated biased high at the value given
R - Unusable value

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

			Location	TR01_A		TR01_A		TR01_A		TR01_A		TR01_B		TR01_B		TR01_B		TR01_C		TR01_C		TR01_C		TR01_C		TR01_D		TR01_D	
			Field Sample ID	CVX-0004-01		CVX-0004-02		CVX-0004-03		CVX-0004-08		CVX-0004-04		CVX-0004-05		CVX-0004-06		CVX-0004-07		CVX-0004-09		CVX-0004-10		CVX-0004-11		CVX-0004-12		CVX-0004-13		CVX-0004-14	
			Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
			Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485	
			Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.7 FT		0-0.5 FT		0.5-1 FT		1-2 FT		1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-2.9 FT		0-0.5 FT		0.5-1 FT	
			Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units	SGV ug/Goc[1]																											
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NA	12400		24400		9340		9270		6870		21700		1590		1680		9860		1050		1550		1220		11700		27500	J+
SW-846 8270D SIM modified	Acenaphthene	ug/kg	NA	1	U	1	U	0.8	U	0.9	U	3		2	J	0.9	U	0.8	U	2	J	1	J	0.9	U	0.8	U	7		4	
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	NA	1	J	1	U	0.8	U	0.9	U	1	J	1	J	0.9	U	0.8	U	2	J	0.8	U	0.9	U	0.8	U	1	J	6	
SW-846 8270D SIM modified	Anthracene	ug/kg	NA	2	J	2	J	0.8	U	0.9	U	6		8		1	J	0.8	U	8		5		2	J	0.8	U	29		18	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	NA	17		12	J-	0.8	U	0.9	U	28		45		7		4		42		38		8		5		95		56	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	NA	28		18	J-	0.8	U	0.9	U	31		58		10		6		55		42		14		6		110		67	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	NA	27		18	J-	0.8	U	0.9	U	38		64		10		6		70		42		14		6		100		60	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	NA	19		14	J-	0.8	U	0.9	U	22		47		8		5		48		34		13		5		83		41	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	NA	21		18	J-	0.8	U	0.9	U	30		53		11		6		54		38		11		6		100		59	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	NA	18		14	J-	0.8	U	0.9	U	25		44		8		5		45		31		10		5		79		44	
SW-846 8270D SIM modified	Chrysene	ug/kg	NA	24		18	J-	0.8	U	0.9	U	39		66		10		6		61		44		13		6		120		69	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	NA	4		3	J-	0.8	U	0.9	U	6		10		2	J	1	J	10		7		2	J	1	J	19		11	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	NA	50		37	J-	0.8	U	2	J	87		130		18		11		130		110		26		12		300		170	
SW-846 8270D SIM modified	Fluorene	ug/kg	NA	2	J	1	J	0.8	U	0.9	U	4		3		0.9	U	0.8	U	3		2	J	2	J	0.8	U	10		13	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	NA	21		16	J-	0.8	U	0.9	U	25		50		9		6		53		36		10		5		92		48	
SW-846 8270D SIM modified	Naphthalene	ug/kg	NA	2	J	1	J	0.8	U	0.9	U	0.9	J	2	J	0.9	U	0.8	U	1	J	0.8	U	1	J	0.8	U	2	J	3	J
SW-846 8270D SIM modified	Perylene	ug/kg	NA	41		19	J-	11		26		15		28		16		25		27		24		15		18		49		43	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	NA	13		11	J-	0.8	U	0.9	U	40		43		4		3		38		14		11		4		150		110	
SW-846 8270D SIM modified	Pyrene	ug/kg	NA	35		26	J-	0.8	U	1	J	56		87		12		8		87		73		21		9		190		100	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	NA	11		12	J-	0.8	U	0.9	U	18		33		5		3		26		52		14		3		56		120	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	NA	15		11	J-	0.8	U	0.9	U	24		38		6		4		36		30		9		4		95		52	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	NA	1	J	1	U	0.8	U	0.9	U	2	J	2	J	0.9	U	0.8	U	3		2	J	1	J	0.8	U	5		7	
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	NA	1	U	1	U	0.9	J	0.9	U	1	J	3	J	1	J	0.8	U	1	J	0.8	U	3		0.8	U	2	J	5	
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	NA	1	U	1	UJ	0.8	U	0.9	U	0.8	U	1	U	0.9	U	0.8	U	1	U	0.8	U	0.9	U	0.8	U	1	U	1	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	NA	1	U	3	J-	0.8	U	0.9	U	7		13		2	J	2		11		0.8	U	0.9	U	0.8	U	1	U	1	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	NA	1	U	1	U	0.8	U	0.9	U	0.8	U	1	U	0.9	U	0.8	U	1	U	0.8	U	0.9	U	0.8	U	1	U	1	U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	NA	1	U	1	U	2		0.9	U	2	J	3		2	J	1	J	2	J	0.9	J	12		0.8	U	3		8	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	NA	7		5	J-	1	J	0.9	U	7		10		3		2		12		11		5		2		17		23	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	NA	1	U	2	J	0.8	U	0.9	U	5		8		0.9	U	2	J	5		6		7		0.8	U	6		1	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	NA	1	U	1	U	0.8	U	0.9	U	0.8	U	1	U	0.9	U	0.8	U	1	U	0.8	U	0.9	U	0.8	U	1	U	1	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	NA	6		2	J	2		0.9	U	2	J	4		1	J	0.8	U	3		2	J	4		0.8	U	3		9	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	NA	4		3	J-	0.8	U	0.9	U	4		6		0.9	U	2		7		6		4		2	J	9		12	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	NA	1	U	1	UJ	0.8	U	0.9	U	0.8	U	1	U	0.9	U	0.8	U	1	U	0.8	U	7		0.8	U	1	U	1	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	NA	1	J	1	U	0.8	U	0.9	U	0.8	U	1	U	0.9	U	0.8	U	2	J	1	J	3		0.8	U	2	J	6	
			Class A SGV ug/kg[1]																											
	Total PAHs	ug/kg	4000	134		94		16.9		27		183		278		52		52		260		221.9		116		42		587		495	
	Total PAH concentration greater than Class A SGV																													

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

			Location	TR01_D	TR01_D	TR01_E	TR01_E	TR02_A	TR02_A	TR02_B	TR02_C	TR02_D	TR02_D	TR02_E	TR02_E	TR02_E	TR02_E
			Field Sample ID	CVX-0004-15	CVX-0004-16	CVX-0004-17	CVX-0004-18	CVX-0001-01	CVX-0001-02	CVX-0005-01	CVX-0005-04	CVX-0005-05	CVX-0005-06	CVX-0005-07	CVX-0005-08	CVX-0005-09	CVX-0005-10
			Sample Date	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/14/2014	8/14/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014
			Sample Delivery Group	1497485	1497485	1497485	1497485	1496370	1496370	1497631	1497631	1497631	1497631	1497631	1497631	1497631	1497631
			Sample Depth	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0-0.5 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-2.75 FT
			Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
			Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	Parameter Name	Units	SGV ug/Goc[1]														
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NA	2440	4080	116 U	110 U	21600	4860	2330	8090	10400	3560	38300	64400	16800	5720
SW-846 8270D SIM modified	Acenaphthene	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 U	0.7 U	0.9 U	0.9 U	1 U	0.9 U	2 U	2 U	1 U	0.9 U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 U	0.7 U	0.9 U	0.9 U	1 U	0.9 U	2 J	2 U	1 U	0.9 U
SW-846 8270D SIM modified	Anthracene	ug/kg	NA	2 J	1 J	0.8 U	0.7 U	0.7 U	0.7 U	1 J	0.9 U	1 U	0.9 U	5 J	3 J	1 U	0.9 U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	NA	10	6	3	0.7 U	0.7 UJ	0.7 U	7	3	1 U	0.9 U	32 J-	26 J-	1 U	0.9 U
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	NA	12	8	4	0.7 U	0.7 UJ	0.7 U	10	4	1 U	0.9 U	52 J-	54 J-	2 J	0.9 U
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	NA	12	9	4	0.7 U	0.8 J	0.7 U	12	5	1 J	0.9 U	51 J-	42 J-	1 U	0.9 U
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	NA	9	7	3	0.7 U	0.7 UJ	0.7 U	9	3	1 U	0.9 U	35 J-	28 J-	1 U	0.9 U
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	NA	12	7	4	0.7 U	0.7 J	0.7 U	10	4	1 U	0.9 U	41 J-	34 J-	1 U	0.9 U
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	NA	9	7	3	0.7 U	0.7 UJ	0.7 U	9	3	1 U	0.9 U	35 J-	29 J-	1 U	0.9 U
SW-846 8270D SIM modified	Chrysene	ug/kg	NA	13	9	4	0.7 U	0.9 J	0.7 U	12	5	1 U	0.9 U	50 J-	42 J-	1 U	0.9 U
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	NA	2	2 J	0.8 U	0.7 U	0.7 UJ	0.7 U	1 J	0.9 U	1 U	0.9 U	7 J-	6 J	1 U	0.9 U
SW-846 8270D SIM modified	Fluoranthene	ug/kg	NA	23	19	7	0.7 U	2 J-	0.7 U	21 J-	7 J-	2 J	0.9 UJ	90 J-	78 J-	1 UJ	0.9 UJ
SW-846 8270D SIM modified	Fluorene	ug/kg	NA	1 J	0.8 J	0.8 U	0.7 U	0.7 U	0.7 U	0.9 U	0.9 U	1 U	0.9 U	3 J	3 J	1 U	0.9 U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	NA	10	7	3	0.7 U	0.7 UJ	0.7 U	9	4	1 U	0.9 U	38 J-	31 J-	1 U	0.9 U
SW-846 8270D SIM modified	Naphthalene	ug/kg	NA	2 J	0.8 U	0.8 U	0.7 U	0.7 U	0.7 U	1 J	0.9 U	1 U	0.9 U	3 J	2 U	1 U	0.9 U
SW-846 8270D SIM modified	Perylene	ug/kg	NA	9	25	9	0.7 J	55 J-	99	23	55	610	21	86 J-	55 J-	230	19
SW-846 8270D SIM modified	Phenanthrene	ug/kg	NA	7	5	3	0.7 U	0.8 J	0.7 U	8	3	1 U	0.9 U	37 J-	31 J-	1 U	0.9 U
SW-846 8270D SIM modified	Pyrene	ug/kg	NA	15	13	5	0.7 U	1 J	0.7 U	17	6	2 J	0.9 U	76 J-	60 J-	1 U	0.9 U
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	NA	0.9 U	5	2 J	0.7 U	0.7 UJ	0.7 U	4	2 J	1 U	0.9 U	45 J-	44 J-	1 U	0.9 U
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	NA	9	6	3	0.7 U	0.9 J	0.7 U	7	2 J	1 U	0.9 U	27 J-	22 J-	1 U	0.9 U
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 U	0.7 U	0.9 U	0.9 U	1 U	0.9 U	5 J	2 U	1 U	0.9 U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	NA	0.9 J	0.9 J	0.8 U	0.7 U	0.7 U	0.7 U	1 J	0.9 U	1 U	0.9 U	2 J	2 U	1 U	0.9 U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 U	0.7 U	0.9 U	0.9 U	1 U	0.9 U	2 UJ	2 UJ	1 U	0.9 U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 UJ	0.7 U	2 J	0.9 U	1 U	0.9 U	2 UJ	2 UJ	1 U	0.9 U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 U	0.7 U	0.9 U	0.9 U	1 U	0.9 U	2 U	2 U	1 U	0.9 U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	NA	0.9 U	1 J	1 J	0.7 U	0.7 U	0.7 U	1 J	0.9 U	1 U	0.9 U	3 J	2 J	1 U	0.9 U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	NA	3	4	2 J	0.7 U	0.8 J	0.7 U	3	2 J	1 U	0.9 U	12 J-	9 J-	1 U	0.9 U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 UJ	0.7 U	0.9 U	0.9 U	1 U	0.9 U	2 UJ	2 UJ	1 U	0.9 U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 U	0.7 U	0.9 U	0.9 U	1 U	0.9 U	2 U	2 U	1 U	0.9 U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	NA	2 J	2 J	1 J	0.7 U	0.7 U	0.7 U	1 J	0.9 U	1 U	0.9 U	3 J	2 U	1 U	0.9 U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	NA	2	2	1 J	0.7 U	0.7 U	0.7 U	2	0.9 U	1 U	0.9 U	7 J-	6 J-	1 U	0.9 U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	NA	0.9 U	0.8 U	0.8 U	0.7 U	0.7 UJ	0.7 U	0.9 U	0.9 U	1 U	0.9 U	2 UJ	2 UJ	1 U	0.9 U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	NA	0.9 U	1 J	0.8 J	0.7 U	0.7 U	0.7 U	0.9 U	0.9 U	1 U	0.9 U	2 U	2 U	1 U	0.9 U
			Class A SGV ug/kg[1]														
	Total PAHs	ug/kg	4000	47.9	64.9	27.8	0.7	58.5	99	69	70	612	21	303	229	230	19
	Total PAH concentration greater than Class A SGV																

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

			Location	TR03_C		TR03_C		TR04_C		TR04_C		TR04_C		TR04_C		TR05_A		TR05_A		TR05_A		TR05_A		TR05_B		TR05_B		TR05_C	
			Field Sample ID	CVX-0011-12		CVX-0011-13		CVX-0007-01		CVX-0007-02		CVX-0007-03		CVX-0007-04		CVX-0007-05		CVX-0011-05		CVX-0011-06		CVX-0011-07		CVX-0011-08		CVX-0010-19		CVX-0010-20		CVX-0011-10	
			Sample Date	8/27/2014		8/27/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/27/2014		8/27/2014		8/27/2014		8/27/2014		8/26/2014		8/26/2014		8/27/2014	
			Sample Delivery Group	1499492		1499492		1498092		1498092		1498092		1498092		1498092		1499492		1499492		1499492		1499492		1499124		1499124		1499492	
			Sample Depth	0-0.5 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		2-3 Ft		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT	
			Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
			Sample Purpose	Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units	SGV ug/Goc[(1)]																											
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NA	2650	J	929	J	46800	J	42300		41800		44900	J	19400	J	8190		499		1150		1230		515		108	U	101000	J
SW-846 8270D SIM modified	Acenaphthene	ug/kg	NA	2	J	1	J	2	U	3	J	3	J	3	J	2	J	0.9	U	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	4	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	NA	2	J	7	J	5	J	5		5		9		6		0.9	U	0.8	U	0.8	U	0.8	U	1	J	0.7	U	3	UJ
SW-846 8270D SIM modified	Anthracene	ug/kg	NA	5	J	11	J	7		12		7		12		7		0.9	U	1	J	0.8	U	0.8	U	3		0.7	U	6	J
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	NA	22	J	39	J	38		71		23		38		22		2	J	4		0.8	U	0.8	U	11		0.7	U	30	J
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	NA	21		35		58		86		36		43		28		2	J	4		0.8	U	0.8	U	9		0.7	U	31	J
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	NA	21		39		59		86		25		35		20		3		4		0.8	U	0.8	U	8		0.7	U	42	J
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	NA	15		23		42		60		20		26		17		2	J	3		0.8	U	0.8	U	6		0.7	U	27	J
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	NA	17	J	29	J	44		70		25		31		23		2	J	3		0.8	U	0.8	U	8		0.7	U	28	J
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	NA	16		27		41		59		20		27		18		2	J	3		0.8	U	0.8	U	6		0.7	U	30	J
SW-846 8270D SIM modified	Chrysene	ug/kg	NA	26		44		59		92		34		45		29		3		5		0.8	U	0.8	U	11		0.7	U	47	J
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	NA	4		6		7	J+	14	J+	4	J+	6	J+	3	J	0.9	U	0.8	U	0.8	U	0.8	U	2	J	0.7	U	6	J
SW-846 8270D SIM modified	Fluoranthene	ug/kg	NA	49		82		130		180		66		88		59		6		10		1	J	0.8	U	28		1	J	92	J
SW-846 8270D SIM modified	Fluorene	ug/kg	NA	3		4		3	J	6		4	J	4		3	J	0.9	U	0.8	U	0.8	U	0.8	U	1	J	0.7	U	6	J
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	NA	15		25		46		67		21		28		18		2	J	3		0.8	U	0.8	U	7		0.7	U	27	J
SW-846 8270D SIM modified	Naphthalene	ug/kg	NA	1	J	3		2	J	2	J	2	J	5		2	J	0.9	U	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	Perylene	ug/kg	NA	8		12		24		36		35		42		47		5		1	J	0.8	U	0.8	U	5		1	J	60	J
SW-846 8270D SIM modified	Phenanthrene	ug/kg	NA	24		41		57		80		33		61	J	29	J	2	J	3		0.8	U	0.8	U	21		0.7	U	42	J
SW-846 8270D SIM modified	Pyrene	ug/kg	NA	48		76		73		120		48		70		44		4		8		0.9	J	0.8	U	21		0.8	J	69	J
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	NA	16	J	31	J	27		50		2	U	39		23		0.9	J	1	J	0.8	U	0.8	U	8		0.7	U	26	J
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	NA	28	J	49	J	41		58		35		51		29		0.9	U	3		0.8	U	0.8	U	13		0.7	U	29	J
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	NA	4		7		2	U	2	U	2	U	1	U	2	U	0.9	U	0.8	U	0.8	U	0.8	U	2		0.7	U	4	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	NA	2	J	3		2	J	2	J	2	J	8		2	J	0.9	U	0.8	U	0.8	U	0.8	U	0.8	J	0.7	U	3	UJ
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	NA	18	J	43	J	2	U	32		46		54		33		0.9	J	1	J	0.8	U	0.8	U	17		0.7	U	25	J
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	NA	9	J	18	J	2	U	17		2	U	1	U	2	U	0.9	U	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	NA	0.8	UJ	5	J	2	U	2	U	2	U	1	U	2	U	0.9	U	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	NA	3		6		2	U	7		17		22		13		0.9	U	0.8	U	0.8	U	0.8	U	2	J	0.7	U	5	J
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	NA	20		32		17		24		27		42	J	20	J	0.9	U	0.8	U	0.8	U	0.8	U	10		0.7	U	16	J
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	NA	5		9		6		6		2	U	1	U	2	U	0.9	U	0.8	U	0.8	U	0.8	U	1	J	0.7	U	3	UJ
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	NA	20		14		2	U	2	U	2	U	1	U	2	U	0.9	U	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	NA	5		8		12		2	U	11		1	U	2	U	0.9	U	0.8	U	0.8	U	0.8	U	2		0.7	U	5	J
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	NA	28		25		11		11		15		22		13		0.9	U	0.8	U	0.8	U	0.8	U	5		0.7	U	14	J
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	NA	0.8	U	0.8	U	2	U	2	U	2	U	1	U	2	U	0.9	U	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	NA	18		12		9		6		7		10		11		0.9	U	0.8	U	0.8	U	0.8	U	2		0.7	U	6	J
			Class A SGV ug/kg[(1)]																											
	Total PAHs	ug/kg	4000	256		391		279		449		276		421		264		12.8		17		0.9		0		109.8		1.8		301	
	Total PAH concentration greater than Class A SGV																													

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

			Location	TR05_C	TR05_D	TR05_D	TR05_D	TR05_D	TR05_E	TR05_E	TR05_E	TR05_E	TR05_E	TR06_A	TR06_A	TR06_A	TR06_A
			Field Sample ID	CVX-0011-11	CVX-0010-08	CVX-0010-09	CVX-0010-10	CVX-0010-11	CVX-0010-01	CVX-0010-02	CVX-0010-03	CVX-0010-04	CVX-0010-05	CVX-0011-01	CVX-0011-02	CVX-0011-03	CVX-0011-04
			Sample Date	8/27/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/27/2014	8/27/2014	8/27/2014	8/27/2014
			Sample Delivery Group	1499492	1499124	1499124	1499124	1499124	1499124	1499124	1499124	1499124	1499124	1499492	1499492	1499492	1499492
			Sample Depth	0.5-1 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT
			Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample
			Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	Parameter Name	Units	SGV ug/Goc[1]														
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NA	42400	40500	35500	41500	14900	42900	37600	214 J	401	373	24400	54300	1250	2110
SW-846 8270D SIM modified	Acenaphthene	ug/kg	NA	2 J	3 J	3 J	2 UJ	2 J	7	17	3	0.8 U	1 J	120 J-	5	0.9 U	0.8 U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	NA	2 UJ	2 U	2 U	2 UJ	3	2 U	3 J	0.8 U	0.8 U	0.8 U	5 J-	4 J	0.9 U	0.8 U
SW-846 8270D SIM modified	Anthracene	ug/kg	NA	5	6 J-	6	4 J	6 J-	3 J	5 J	0.8 U	0.8 U	0.8 U	140 J-	15	0.9 U	0.8 U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	NA	16	37 J-	29	19 J-	27 J-	13	18	0.8 U	0.8 U	0.8 U	390 J-	100	3	2 J
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	NA	17	43 J-	32	20 J-	27 J-	13	20	0.8 U	0.8 U	0.8 U	380 J-	130	3	1 J
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	NA	24	46 J-	42	19 J-	25 J-	13	20	0.8 U	0.8 U	0.8 U	350 J-	140	3	1 J
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	NA	13	35 J-	29	17 J-	20 J-	10	15	0.8 U	0.8 U	0.8 U	220 J-	86	2	1 J
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	NA	16	44 J-	29	21 J-	26 J-	14	18	0.8 U	0.8 U	0.8 U	310 J-	100	3	1 J
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	NA	19	36 J-	36	20 J-	21 J-	10	17	0.8 U	0.8 U	0.8 U	260 J-	96	3	1 J
SW-846 8270D SIM modified	Chrysene	ug/kg	NA	24	53 J-	42	25 J-	33 J-	18	25	0.8 J	0.8 U	0.8 U	430 J-	140	4	2 J
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	NA	3 J	6 J-	7	4 J	5 J-	3 J	4 J	0.8 U	0.8 U	0.8 U	53 J-	20	0.9 U	0.8 U
SW-846 8270D SIM modified	Fluoranthene	ug/kg	NA	48	110 J-	92	52 J-	62	37	46	2 J	0.8 U	0.8 U	1300 J-	240	7	3
SW-846 8270D SIM modified	Fluorene	ug/kg	NA	3 J	5	5	3 J	3 J	5	12	1 J	0.8 U	0.8 U	89 J-	6	0.9 U	0.8 U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	NA	15	38 J-	29	18 J-	22 J-	11	17	0.8 U	0.8 U	0.8 U	260 J-	100	3	1 J
SW-846 8270D SIM modified	Naphthalene	ug/kg	NA	3 J	2 J	2 U	2 UJ	3 J	2 U	3 J	0.8 U	0.8 U	0.8 U	58 J-	2 U	0.9 U	0.8 U
SW-846 8270D SIM modified	Perylene	ug/kg	NA	34	27 J-	23	20 J-	35 J-	12	23	7	2 J	2	89 J-	35	1 J	1 J
SW-846 8270D SIM modified	Phenanthrene	ug/kg	NA	25	51 J-	38	22 J-	26 J-	14	26	0.8 U	0.8 U	0.8 U	770 J-	100	2	1 J
SW-846 8270D SIM modified	Pyrene	ug/kg	NA	35	75 J-	59	35 J-	47 J-	26	41	2 J	0.8 U	0.8 J	800 J-	180	6	3
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	NA	9	2 UJ	49	2 UJ	21 J-	10	18	0.8 U	0.8 U	0.8 U	150 J-	47	1 J	0.9 J
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	NA	14	36 J-	28	20 J-	36	12	27	0.8 U	0.8 U	0.8 U	280 J-	67	2	1 J
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	NA	2 J	4 J	3 J	2 J	4	14	36	7	8	11	24 J-	3 J	0.9 U	0.8 U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	NA	2 UJ	2 J	2 U	2 UJ	3 J	10	14	0.9 J	0.8 U	0.8 U	22 J-	2 U	0.9 U	0.8 U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	NA	2 U	41 J-	19	14 J-	29 J-	9	36	0.8 U	0.8 U	0.8 U	190 J-	31	1 J	0.9 J
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	NA	2 U	2 UJ	2 U	2 UJ	12 J-	2 U	2 U	0.8 U	0.8 U	0.8 U	50 J-	16	0.9 U	0.8 U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	NA	2 UJ	2 U	2 U	2 UJ	1 U	2 U	2 U	4	4	5	9 J-	2 U	0.9 U	0.8 U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	NA	3 J	3 J	3 J	3 J	5	23	39	0.8 U	0.8 U	0.8 U	17 J-	2 J	0.9 U	0.8 U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	NA	7	15 J-	12	12 J-	24 J-	6	23	0.8 U	0.8 U	0.8 U	87 J-	19	1 J	0.8 U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	NA	2 U	2 UJ	2 U	2 UJ	3 J-	2 U	3 J	0.8 U	0.8 U	0.8 U	2 UJ	2 U	0.9 U	0.8 U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	NA	2 UJ	2 U	2 U	2 UJ	1 U	2 U	2 U	0.8 U	0.8 U	0.8 U	2 UJ	2 U	0.9 U	0.8 U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	NA	2 J	5	4 J	4 J	7	13	35	7	6	8	15 J-	2 J	0.9 U	0.8 U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	NA	6	10 J-	11	8 J-	12 J-	5 J	11	0.8 U	0.8 U	0.8 U	30 J-	10	0.9 U	0.8 U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	NA	2 U	2 UJ	2 U	2 UJ	1 UJ	2 U	2 U	0.8 U	0.8 U	0.8 U	2 UJ	2 U	0.9 U	0.8 U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	NA	3 J	4 J	4 J	3 J	5	13	26	8	7	8	10 J-	2 J	0.9 U	0.8 U
			Class A SGV ug/kg[1]														
	Total PAHs	ug/kg	4000	140	273	253	143	269	167	358	35.9	27	34.8	2543	514	14	7.8
	Total PAH concentration greater than Class A SGV																

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

			Location	TR06_B		TR06_B		TR06_B		TR06_C		TR06_C		TR06_D		TR06_D		TR06_D		TR06_D		TR06_E		TR06_E		TR06_E		TR06_E		TR07_A	
			Field Sample ID	CVX-0010-12		CVX-0010-13		CVX-0010-14		CVX-0010-06		CVX-0010-07		CVX-0010-15		CVX-0010-16		CVX-0010-17		CVX-0010-18		CVX-0009-16		CVX-0009-17		CVX-0009-18		CVX-0009-19		CVX-0009-01	
			Sample Date	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
			Sample Delivery Group	1499124		1499124		1499124		1499124		1499124		1499124		1499124		1499124		1499124		1498701		1498701		1498701		1498701		1498701	
			Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT	
			Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units	SGV ug/Goc[(1)]																											
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NA	2470		1550		1890		13300		2790		7620		23200		9290		12800		20400		39600		14500		8450		24700	
SW-846 8270D SIM modified	Acenaphthene	ug/kg	NA	0.9	U	0.8	U	0.8	U	2	J	1	J	1	J	1	U	3	J	1	J	5	U	11	J	3	U	2	U	14	
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	NA	0.9	U	0.8	U	0.8	U	3	J	3		3		6		1	U	1	J	11	J	20		4	J	2	U	13	
SW-846 8270D SIM modified	Anthracene	ug/kg	NA	0.9	U	0.8	U	0.8	U	5		3		4		6	J-	3	J	2	J	20		38		9		2	U	34	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	NA	3		2	J	2	J	31		24		23		19	J-	12		5		160		220		35		2	U	100	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	NA	3		2	J	2	J	31		41		24		18	J-	12		6		180		260		35		2	U	96	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	NA	3		2	J	1	J	32		40		23		14	J-	12		6		190		290		37		2	U	73	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	NA	2	J	2	J	1	J	21		33		18		14	J-	11		5		120		190		26		2	U	58	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	NA	2		2	J	2	J	26		30		23		14	J-	12		6		180		230		34		2	U	85	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	NA	2	J	1	J	1	J	24		28		19		15	J-	10		5		150		220		30		2	U	65	
SW-846 8270D SIM modified	Chrysene	ug/kg	NA	3		2		2	J	37		28		28		25	J-	14		7		220		300		45		2	U	130	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	NA	0.9	U	0.9	J	0.8	U	5		8		4		2	J	2	J	1	U	30		40		6	J	2	U	13	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	NA	6		4		4		69		24		52		41		32		15		340		590		77		2	J	230	
SW-846 8270D SIM modified	Fluorene	ug/kg	NA	0.9	U	0.8	U	0.8	U	3	J	2	J	2	J	1	U	3	J	2	J	8	J	20		5	J	2	U	23	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	NA	2		2	J	1	J	24		38		19		13	J-	12		5		140		210		28		2	U	62	
SW-846 8270D SIM modified	Naphthalene	ug/kg	NA	0.9	U	0.8	U	0.8	U	4		2	J	2	J	2	J	3	J	2	J	7	J	16		6	J	2	U	10	
SW-846 8270D SIM modified	Perylene	ug/kg	NA	9		5		7		62		48		39		52	J-	65		49		200		490		230		170		80	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	NA	2		2		2	J	31		9		23		30	J-	19		12		78		190		38		2	J	190	
SW-846 8270D SIM modified	Pyrene	ug/kg	NA	4		4		3		54		20		40		42	J-	24		11		270		500		67		2	J	220	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	NA	2	J	2		2	J	22		18		19		32	J-	10		4		90		140		27		2	U	86	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	NA	3		4		3		33		18		29		55		13		8		130		220		37		2	U	150	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	3	J	2	J	3		8		2	J	2	J	7	J	25		5	J	2	U	28	
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	3	J	1	J	2	J	2	J	1	J	1	J	6	J	17		5	J	2	U	10	
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	NA	2	J	3		3		27		6		21		56	J-	23		6		5	U	6	U	3	U	2	U	160	
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	11		10		10		23	J-	5		1	U	5	U	59		13		2	U	0.9	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	1	U	0.8	U	1	U	1	U	1	U	1	U	5	U	6	U	3	U	2	U	0.9	U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	5		2		3	J	4		2	J	2	J	8	J	25		8	J	2	J	25	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	NA	2	J	3		3		18		6		18		56	J-	7		5		52		130		28		2	U	110	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	4		6		4		8	J-	2	J	1	U	5	U	22		6	J	2	U	15	
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	1	U	0.8	U	1	U	1	U	1	U	1	U	5	U	6	U	3	U	2	U	0.9	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	NA	0.9	U	0.8	J	0.8	U	6		3		4		6		3	J	3		9	J	28		8		2	J	31	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	NA	2	J	2		0.8	U	10		5		10		34	J-	5		4		32		62		18		2	U	49	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	1	U	0.8	U	1	U	1	UJ	1	U	1	U	5	U	6	U	3	U	2	U	0.9	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	NA	0.9	U	0.8	U	0.8	U	5		2		4		6		2	J	2	J	8	J	19		7	J	2	J	17	
			Class A SGV ug/kg[(1)]																											
	Total PAHs	ug/kg	4000	26		25.8		23		294		156		229		414		183		109		890		1927		497		180		1171	
	Total PAH concentration greater than Class A SGV																													

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

			Location	TR07_A		TR07_A		TR07_A		TR07_B		TR07_B		TR07_B		TR07_B		TR07_B		TR07_B		TR07_C		TR07_C		TR07_D		TR07_D	
			Field Sample ID	CVX-0009-02		CVX-0009-03		CVX-0009-04		CVX-0008-01		CVX-0008-02		CVX-0008-03		CVX-0008-04		CVX-0008-05		CVX-0008-06		CVX-0008-07		CVX-0009-05		CVX-0009-06		CVX-0009-07		CVX-0009-08	
			Sample Date	8/25/2014		8/25/2014		8/25/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
			Sample Delivery Group	1498701		1498701		1498701		1498276		1498276		1498276		1498276		1498276		1498276		1498276		1498701		1498701		1498701		1498701	
			Sample Depth	0.5-1 FT		1-2 FT		1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		3-4 FT		4-5 FT		5-6 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT	
			Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
			Sample Purpose	Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units	SGV ug/Goc[1]																												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NA	33900		40500		47300		118	U	23700		20400		5770		20900		13000		12600		417		216	J	11200		24500	
SW-846 8270D SIM modified	Acenaphthene	ug/kg	NA	12		9		10		0.9	J	1	UJ	3	J	9		1	U	1	U	0.9	U	1	J	0.9	J	9		3	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	NA	24		7		9		1	J	1	UJ	3	J	4		2	J	1	U	0.9	U	7		0.8	U	14		2	U
SW-846 8270D SIM modified	Anthracene	ug/kg	NA	31		21		19		10		2	J	10		23		3		1	U	0.9	U	6		4		27		2	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	NA	110		79		84		30		8	J-	40		90		15		1	U	0.9	U	17		18		120		3	J
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	NA	110		89		86		28		9	J-	42		81		17		1	U	0.9	U	19		16		130		3	J
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	NA	92		88		87		25		8	J-	38		76		17		1	U	0.9	U	15		15		140		5	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	NA	69		52		62		20		7	J-	26		56		13		1	U	0.9	U	15		10		96		3	J
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	NA	80		63		88		27		9	J-	39		71		16		1	U	0.9	U	13		15		110		3	J
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	NA	77		59		67		20		7	J-	27		59		14		1	U	0.9	U	16		11		100		4	J
SW-846 8270D SIM modified	Chrysene	ug/kg	NA	140		100		120		33		10	J-	46		97		19		1	U	0.9	U	25		22		150		4	J
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	NA	15		13		14		5		2	J	7		15		3		1	U	0.9	U	3		3		22		2	U
SW-846 8270D SIM modified	Fluoranthene	ug/kg	NA	260		220		230		73		24	J-	110		190		36		2	J	0.9	U	37		44		270		8	
SW-846 8270D SIM modified	Fluorene	ug/kg	NA	28		15		17		2		1	J	4		11		2	J	1	U	0.9	U	4		2	J	16		2	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	NA	69		59		69		22		8	J-	32		63		15		1	U	0.9	U	13		11		110		3	J
SW-846 8270D SIM modified	Naphthalene	ug/kg	NA	11		8		11		1	J	3	J-	1	U	8		2	J	1	U	0.9	U	3		0.8	U	22		2	J
SW-846 8270D SIM modified	Perylene	ug/kg	NA	140		210		290		13		41	J-	36		99		66		87		130		12		6		430		150	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	NA	220		140		140		33		10	J-	56		96		14		1	J	0.9	U	33		23		82		3	J
SW-846 8270D SIM modified	Pyrene	ug/kg	NA	260		160		180		51		19	J-	73		160		27		2	J	0.9	U	46		35		240		7	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	NA	130		46		59		13		6	J-	19		59		10		1	U	0.9	U	28		9		72		3	J
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	NA	220		79		95		22		11	J-	36		84		16		1	U	0.9	U	43		15		120		4	J
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	NA	38		9		12		2	J	2	J	3	J	7		2	J	1	U	0.9	U	7		1	J	10		2	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	NA	10		5	J	10	J	0.8	U	2	J	1	U	5		1	J	1	J	0.9	U	5		0.8	U	8		2	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	NA	280		79	J	3	UJ	16		12	J-	25		56		20		1	U	0.9	U	59		13		2	U	2	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	NA	1	U	1	U	3	U	7		3	J-	7		25		4		1	U	0.9	U	18		5		28		2	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	NA	1	U	1	U	3	U	1	J	1	UJ	1	U	0.9	U	1	U	1	U	0.9	U	0.8	U	0.8	U	2	U	2	U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	NA	30		9		16		1	J	4	J-	2	J	7		3	J	2	J	0.9	U	8		0.8	U	9		2	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	NA	220		41		54		9		6	J-	12		39		8		1	U	0.9	U	37		7		51		2	U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	NA	1	U	1	U	3	U	6		1	UJ	2	J	9		2	J	1	U	0.9	U	9		2		13		2	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	NA	1	U	1	U	3	U	0.8	U	1	UJ	1	U	0.9	U	1	U	1	U	0.9	U	0.8	U	0.8	U	2	U	2	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	NA	38		10		18		2	J	3	J-	2	J	8		2	J	2	J	0.9	U	7		0.9	J	10		2	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	NA	110		21		34		4		4	J-	6		18		5		1	U	0.9	U	19		4		24		2	U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	NA	1	U	1	U	3	U	0.8	U	1	UJ	1	U	0.9	U	1	U	1	U	0.9	U	0.8	U	0.8	U	2	U	2	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	NA	27		7		13		1	J	3	J	2	J	5		1	J	1	J	0.9	U	4		0.9	J	8		2	U
			Class A SGV ug/kg[1]																												
	Total PAHs	ug/kg	4000	1723		816		921		181		126		281		677		181		96		130		335		121.8		1105		167	
	Total PAH concentration greater than Class A SGV																														

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

			Location	TR07_D		TR07_D		TR07_E		TR07_E		TR07_E		TR07_E		TR09_C		TR10_A		TR10_A		TR10_A		TR10_A		TR11_B		TR11_C	
			Field Sample ID	CVX-0009-09		CVX-0009-10		CVX-0009-11		CVX-0009-12		CVX-0009-13		CVX-0009-14		CVX-0009-15		CVX-0013-01		CVX-0013-02		CVX-0013-03		CVX-0013-04		CVX-0013-05		CVX-0014-01		CVX-0014-02	
			Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014		9/11/2014		9/11/2014	
			Sample Delivery Group	1498701		1498701		1498701		1498701		1498701		1498701		1498701		1502680		1502680		1502680		1502680		1502680		1502969		1502969	
			Sample Depth	1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		3-4 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		1-2 FT		0-0.5 FT		0-0.5 FT	
			Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample	
			Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units	SGV ug/Goc[1]																											
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NA	870		1920		19600		28800		8430		48700		2160		2170		3200		2280		2470		2930		107	U	349	
SW-846 8270D SIM modified	Acenaphthene	ug/kg	NA	0.9	J	2	U	8		2	U	4		2	U	2	U	8800		8		8		4	J	17	J	8		1	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	NA	0.8	U	2	U	9		4	J	4		2	J	2	U	2200		19		25		6		10		2		0.7	J
SW-846 8270D SIM modified	Anthracene	ug/kg	NA	0.8	U	2	U	24		4	J	24		4	J	2	U	20000		51		60		22	J	77	J	25		5	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	NA	0.8	U	2	U	85		20		93		15		2	U	24000	J+	160		210		54	J	120	J	31		16	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	NA	0.8	U	2	U	87		24		88		17		2	U	22000	J+	150	J-	180		48	J	100	J	29		17	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	NA	0.8	U	2	U	91		25		89		19		2	U	21000	J+	120	J-	150		33	J	100	J	29		21	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	NA	0.8	U	2	U	61		18		56		14		2	U	12000	J+	74	J-	90		24	J	54	J	18		12	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	NA	0.8	U	2	U	76		24		65		16		2	U	17000	J+	130	J-	150		48	J	95	J	25		16	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	NA	0.8	U	2	U	67		21		60		16		2	U	13000	J+	92	J-	110		29	J	63	J	19		14	
SW-846 8270D SIM modified	Chrysene	ug/kg	NA	0.8	U	2	U	100		28		97		22		2	U	24000	J+	180		220		58	J	130	J	33		22	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	NA	0.8	U	2	U	14		4	J	13		3	J	2	U	3700	J+	26	J-	31		7	J	15	J	4		3	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	NA	0.8	U	2	U	220		51		210		38		2	U	58000	J+	360		460		130		300		88		41	
SW-846 8270D SIM modified	Fluorene	ug/kg	NA	0.8	U	2	U	14		3	J	6		3	J	2	U	12000		18		20		8	J	26	J	12		2	J
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	NA	0.8	U	2	U	69		21		64		15		2	U	14000	J+	88	J-	110		29	J	64	J	20		13	
SW-846 8270D SIM modified	Naphthalene	ug/kg	NA	0.8	U	2	U	9		4	J	6		4		2	U	7000		24		29		7	J	17	J	7		0.8	J
SW-846 8270D SIM modified	Perylene	ug/kg	NA	53		8		660		190		140		72		11		5400	J+	34		41		11	J	25	J	8		5	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	NA	0.8	U	2	U	120		22		95		20		2	U	70000	J+	260		300		110	J	260	J	90		22	
SW-846 8270D SIM modified	Pyrene	ug/kg	NA	0.8	U	2	U	180		44		170		32		2	U	49000	J+	310		380		110	J	240	J	70		33	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	NA	0.8	U	2	U	55		15		43		11		2	U	9500	J+	100		130		31	J	57	J	13		9	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	NA	0.8	U	2	U	91		23		77		18		2	U	21000	J+	130		150		43	J	83	J	26		13	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	NA	0.8	U	2	U	10		3	J	6		3	J	2	U	3800		14		16		6		10		5		1	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	NA	0.8	U	2	U	7		4	J	4		4	J	2	U	5100		9		12		4		7		9		1	J
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	NA	0.8	U	2	U	2	U	2	U	85		2	U	2	U	22000		150		180		51	J	95	J	24		9	
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	NA	0.8	U	2	U	32		10		18		2	U	2	U	3300	J+	41		54		13		22		6		4	
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	NA	0.8	U	2	U	2	U	2	U	1	U	2	U	2	U	1300		12		15		4		7		2		0.7	U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	NA	0.8	U	2	U	10		4	J	6		4		2	U	4300		13		14		7		9		14		1	J
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	NA	0.8	U	2	U	48		14		34		11		2	U	9000		87		100		28		48		12		6	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	NA	0.8	U	2	U	2	U	2	U	1	U	2	U	2	U	8	U	13		20		4		8		2		2	
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	NA	0.8	U	2	U	2	U	2	U	1	U	2	U	2	U	8	U	0.9	U	0.8	U	0.8	U	0.9	U	0.7	U	0.7	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	NA	0.8	U	2	U	12		5	J	8		4		2	U	3200		18		21		7		11		9		1	J
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	NA	0.8	U	2	U	22		10		15		7		2	U	2800		34		42		11		19		5		3	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	NA	0.8	U	2	U	2	U	2	U	1	U	2	U	2	U	8	U	0.9	U	0.8	U	0.8	U	0.9	U	0.7	U	0.7	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	NA	0.8	U	2	U	8		4	J	7		3	J	2	U	1100		12		16		5		7		4		0.8	J
			Class A SGV ug/kg[1]																											
	Total PAHs	ug/kg	4000	53		8		1255		348		708		189		11		210800		1237		1491		445		908		299		110.8	
	Total PAH concentration greater than Class A SGV																													

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

			Location	TR11_C		TR11_C	
			Field Sample ID	CVX-0014-03		CVX-0014-04	
			Sample Date	9/11/2014		9/11/2014	
			Sample Delivery Group	1502969		1502969	
			Sample Depth	0.5-1 FT		1-2 FT	
			Matrix	SOIL		SOIL	
			Sample Purpose	Regular sample		Regular sample	
			Sample Type	Sediment		Sediment	
Analytical Method	Parameter Name	Units	SGV ug/Goc[1]				
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NA	667		668	
SW-846 8270D SIM modified	Acenaphthene	ug/kg	NA	2	J	8	
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	NA	3		2	
SW-846 8270D SIM modified	Anthracene	ug/kg	NA	7		36	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	NA	26		110	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	NA	23		91	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	NA	26		100	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	NA	16		57	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	NA	19		80	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	NA	20		64	
SW-846 8270D SIM modified	Chrysene	ug/kg	NA	33		130	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	NA	5		15	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	NA	63		240	
SW-846 8270D SIM modified	Fluorene	ug/kg	NA	3		10	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	NA	18		64	
SW-846 8270D SIM modified	Naphthalene	ug/kg	NA	1	J	4	
SW-846 8270D SIM modified	Perylene	ug/kg	NA	9		25	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	NA	32		170	
SW-846 8270D SIM modified	Pyrene	ug/kg	NA	53		210	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	NA	18		70	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	NA	26		100	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	NA	3		11	
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	NA	2		5	
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	NA	23		110	
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	NA	10		28	
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	NA	0.7	U	10	
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	NA	3		11	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	NA	15		72	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	NA	6		11	
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	NA	0.7	U	0.8	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	NA	3		12	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	NA	8		31	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	NA	0.7	U	0.8	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	NA	3		10	
			Class A SGV ug/kg[1]				
	Total PAHs	ug/kg	4000	214		886	
	Total PAH concentration greater than Class A SGV						

TABLE 3

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCYCLIC AROMATIC HYDROCARBONS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

Notes:

Total PAH concentration greater than Class A SGV

(1) - Sediment criteria obtained from the NYSDEC document entitled, "Screening and Assessment of Contaminated Sediment, New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources, Bureau of Habitat, June 24, 2014.

SGV - Sediment Guidance Value

mg/Kg - Milligrams per Kilograms

ug/Goc - Micrograms per grams of carbon

ug/Kg - Micrograms per Kilograms

PAHs - Polycyclic Aromatic Hydrocarbons

J - The analyte was positively identified, but the quantitation is an estimation.

J- - Estimated biased low at the value given

J+ - Estimated biased high at the value given

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

UJ - The analyte was detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR01_A	TR01_A	TR01_A	TR01_A	TR01_B	TR01_B	TR01_B	TR01_B	TR01_C	TR01_C	TR01_C	TR01_C
					Field Sample ID	CVX-0004-01	CVX-0004-02	CVX-0004-03	CVX-0004-08	CVX-0004-04	CVX-0004-05	CVX-0004-06	CVX-0004-07	CVX-0004-09	CVX-0004-10	CVX-0004-11	CVX-0004-12
					Sample Date	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014
					Sample Delivery Group	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485	1497485
					Sample Depth	0-0.5 FT	0.5-1 FT	1-2 FT	2-2.7 FT	0-0.5 FT	0.5-1 FT	1-2 FT	1-2 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-2.9 FT
					Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample
					Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		12400	24400	9340	9270	6870	21700	1590	1680	9860	1050	1550	1220
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.0124	0.0244	0.00934	0.00927	0.00687	0.0217	0.00159	0.00168	0.00986	0.00105	0.00155	0.00122
SW-846 6020A	Aluminum	mg/kg	NS	NS		11000	16400	13900	16300	13800	9250	15300	13200	14500	8690	15100	17700
SW-846 6020A	Antimony	mg/kg	NS	NS		0.128 U	0.135 U	0.103 U	0.112 U	0.105 U	0.136 U	0.105 U	0.0995 U	0.121 U	0.103 U	0.109 U	0.105 U
SW-846 6020A	Arsenic	mg/Kg	10	33	1	2.87	2.98	3.74	4.46	3.38	1.76	2.04	2.5	3.01	1.79	1.51 J+	2.12
SW-846 6020A	Barium	mg/kg	NS	NS		50.6	70.4	36.9	46	39.9	36	52.2	36.4	73	44.6	39.2 J-	44.1
SW-846 6020A	Beryllium	mg/kg	NS	NS		0.404	0.71	0.547	0.616	0.59	0.312 J	0.708	0.464	0.712	0.442	0.412 J+	0.532
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.148 J	0.113 J	0.0246 U	0.0352 J	0.0738 J	0.1 J	0.0766 J	0.0903 J	0.229 J	0.12 J	0.0708 J	0.0912 J
SW-846 6020A	Calcium	mg/kg	NS	NS		1650	1630	1170	1350	46900	1350	1510	824	2440	1790	1150 J+	1070
SW-846 6020A	Chromium	mg/kg	43	110	1	12.1	20.2	14.4	17.6	15	9.73	21.4	14.2	17.3	12.6	13.7 J+	18.8
SW-846 6020A	Cobalt	mg/kg	NS	NS		6.76	10.8	9.15	11.9	11.4	6.7	11.2	12.4	11.2	7.91	9.52 J+	13.3
SW-846 6020A	Copper	mg/kg	32	150	1	13.9	15.8	9.67	12.4	17.3	11.8	18.2	19.6	26.5	14.8	10.3 J+	12.7
SW-846 6020A	IRON	mg/kg	NS	NS		16000	28100	28400	36300	35800	14900	27100	32200	26000	16500	28700	32400
SW-846 6020A	Lead	mg/kg	36	130	1	12.7	15.8	9.84	10.8	11.1	9.14	21.6	14.3	21.3	13.2	9.71 J-	13.3
SW-846 6020A	Magnesium	mg/kg	NS	NS		3910	7950	7440	8460	33800	4340	7650	5930	6500	5300	6910	10900
SW-846 6010C	Manganese	mg/kg	NS	NS		270	270	286	292	372	357	316	441	522	300	306	324
SW-846 7471B	Mercury	mg/kg	0.2	1	1	0.289 U	0.307 U	0.241 U	0.26 U	0.243 U	0.317 U	0.243 U	0.233 U	0.296 U	0.236 U	0.267 U	0.238 U
SW-846 6020A	Nickel	mg/Kg	23	49	1	15.3	25.8	23.2	28.9	26.1	14.6	25.9	26.7	26.3	19.2	22.3 J-	28.1
SW-846 6020A	Potassium	mg/kg	NS	NS		1120	1880	1450	1700	1000	849	1780 J	823 J	1430	977	1150 J	1080
SW-846 6020A	Selenium	mg/kg	NS	NS		0.369 J	0.213 J	0.122 U	0.133 U	0.125 U	0.194 J	0.174 J	0.118 U	0.369 J	0.192 J	0.129 U	0.124 U
SW-846 6020A	Silver	mg/Kg	1	2.2	3	0.139 J	0.0912 J	0.0244 U	0.0266 U	0.0461 J	0.0548 J	0.0272 J	0.0273 J	0.142 J	0.0692 J	0.0356 J	0.0249 U
SW-846 6020A	Sodium	mg/kg	NS	NS		126	128 U	97.4 U	106 U	134	128 U	99.1 U	94.3 U	151	97.2 U	103 U	99.4 U
SW-846 6020A	Thallium	mg/kg	NS	NS		0.0793 J	0.116 J	0.0533 J	0.071 J	0.0666 J	0.0499 J	0.0828 J	0.041 J	0.111 J	0.0576 J	0.0486 J	0.0641 J
SW-846 6020A	Vanadium	mg/kg	NS	NS		13.1	22.1	17.3	18.2	17.2	9.75	19.8	12.6	17.5	12.5	13.7 J+	18.4
SW-846 6020A	Zinc	mg/kg	120	460	1	65.6	91.7	65.1	80.7	89.1	55.3	79.5	91.3	108	72.2	79.5	86.4

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR01_D	TR01_D	TR01_D	TR01_D	TR01_E	TR01_E	TR02_A	TR02_A	TR02_B	TR02_C	TR02_D	TR02_D
					Field Sample ID	CVX-0004-13	CVX-0004-14	CVX-0004-15	CVX-0004-16	CVX-0004-17	CVX-0004-18	CVX-0001-01	CVX-0001-02	CVX-0005-01	CVX-0005-04	CVX-0005-05	CVX-0005-06
					Sample Date	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/19/2014	8/14/2014	8/14/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014
					Sample Delivery Group	1497485	1497485	1497485	1497485	1497485	1497485	1496370	1496370	1497631	1497631	1497631	1497631
					Sample Depth	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0-0.5 FT	0-0.5 FT	0.5-1 FT
					Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
					Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		11700	27500 J+	2440	4080	116 U	110 U	21600	4860	2330	8090	10400	3560
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.0117	0.0275	0.00244	0.00408	0.000116	0.00011	0.0216	0.00486	0.00233	0.00809	0.0104	0.00356
SW-846 6020A	Aluminum	mg/kg	NS	NS		12900	16100	11500	12300	11300	11500	6290	9120	13400	12700	17300	13300
SW-846 6020A	Antimony	mg/kg	NS	NS		0.121 U	0.152 U	0.108 U	0.103 U	0.0953 U	0.0895 U	0.0836 U	0.0836 U	0.109 U	0.115 U	0.146 U	0.112 U
SW-846 6020A	Arsenic	mg/kg	10	33	1	1.61	4.29	1.26	1.74	1.7	2.51	1.43 J	2.34	1.79	2.51	2.97	2.72
SW-846 6020A	Barium	mg/kg	NS	NS		51.1	85.6	35.8	37.1	25.9	25.4	29.3 J+	44.2	48.1	67.1	66.1	51.2
SW-846 6020A	Beryllium	mg/kg	NS	NS		0.369	0.649	0.403	0.449	0.35	0.348	0.241 J+	0.385	0.402	0.558	0.563	0.438
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.103 J	0.32 J	0.0637 J	0.0921 J	0.0452 J	0.0541 J	0.079 J	0.105 J	0.0814 J	0.142 J	0.142 J	0.099 J
SW-846 6020A	Calcium	mg/kg	NS	NS		2180	3860	1100	1580	868 J	840 J	1560 J	2250 J-	3470	3860	2370	1520
SW-846 6020A	Chromium	mg/kg	43	110	1	12.8	19.8	13	13.5	13.9	10.8	6.7 J	11.8	13	15	16.8	13.4
SW-846 6020A	Cobalt	mg/kg	NS	NS		8.89	13.1	9.77	9.27	9.25	8.34	5.18 J+	9.94	9.37	10.9	11.2	9.15
SW-846 6020A	Copper	mg/kg	32	150	1	12.5	25.5	9.1	9.81	9.33	8.21	7.13 J+	11	10.5	13.3	14.6	10.6
SW-846 6020A	IRON	mg/kg	NS	NS		21000	30100	22400	24400	22200	24900	10600	15300	22800	19800	26000	21700
SW-846 6020A	Lead	mg/kg	36	130	1	9.19	20.2	9.21	10.5	6.98	6.94	5.26 J+	7.95	9	10.5	11.5	8.85
SW-846 6020A	Magnesium	mg/kg	NS	NS		5970	7880	6600	6850	6840	6480	2620 J	5270	6190	6550	6740	5690
SW-846 6010C	Manganese	mg/kg	NS	NS		438	413	261	329	302	308	145	188	327	332	379	274
SW-846 7471B	Mercury	mg/kg	0.2	1	1	0.289 U	0.359 U	0.261 U	0.247 U	0.225 U	0.21 U	0.0099 U	0.0098 U	0.0126 U	0.0137 U	0.0167 U	0.0132 U
SW-846 6020A	Nickel	mg/kg	23	49	1	20.5	28.5	21.4	21.5	19.4	19.4	10 J+	19.1	20.9	23.6	23.7	19.9
SW-846 6020A	Potassium	mg/kg	NS	NS		1160	1830	1080	1110	916	879	398 J	670	1090	1160	1210	999
SW-846 6020A	Selenium	mg/kg	NS	NS		0.175 J	0.503 J	0.128 U	0.122 U	0.113 U	0.106 U	0.313 J	0.405 J	0.193 J	0.275 J	0.385 J	0.25 J
SW-846 6020A	Silver	mg/kg	1	2.2	3	0.0408 J	0.135 J	0.0256 U	0.0287 J	0.0226 U	0.0212 U	0.0263 J	0.0198 U	0.0315 J	0.0406 J	0.0382 J	0.0266 U
SW-846 6020A	Sodium	mg/kg	NS	NS		115 U	178	102 U	97.7 U	903 U	848 U	70 J	69.2 J	103 U	109 U	138 U	107 U
SW-846 6020A	Thallium	mg/kg	NS	NS		0.0672 J	0.126 J	0.0545 J	0.0496 J	0.045 J	0.0387 J	0.0491 J	0.0493 J	0.0617 J	0.0913 J	0.0971 J	0.0895 J
SW-846 6020A	Vanadium	mg/kg	NS	NS		12.6	21.5	13.9	13.3	13.2	12.5	6.75 J+	11.1	14	16.2	17.5	14
SW-846 6020A	Zinc	mg/kg	120	460	1	78.2	126	77.5	70.2	55.1	49.3	34.5	45.1	63.5	73.7	77	61.2

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR02_E	TR02_E	TR02_E	TR02_E	TR03_C	TR03_C	TR04_C	TR04_C	TR04_C	TR04_C	TR04_C	TR05_A
					Field Sample ID	CVX-0005-07	CVX-0005-08	CVX-0005-09	CVX-0005-10	CVX-0011-12	CVX-0011-13	CVX-0007-01	CVX-0007-02	CVX-0007-03	CVX-0007-04	CVX-0007-05	CVX-0011-05
					Sample Date	8/20/2014	8/20/2014	8/20/2014	8/20/2014	8/27/2014	8/27/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/27/2014
					Sample Delivery Group	1497631	1497631	1497631	1497631	1499492	1499492	1498092	1498092	1498092	1498092	1498092	1499492
					Sample Depth	0-0.5 FT	0.5-1 FT	1-2 FT	2-2.75 FT	0-0.5 FT	0-0.5 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	2-3 Ft	0-0.5 FT
					Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample
					Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		38300	64400	16800	5720	2650 J	929 J	46800 J	42300	41800	44900 J	19400 J	8190
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.0383	0.0644	0.0168	0.00572	0.00265	0.000929	0.0468	0.0423	0.0418	0.0449	0.0194	0.00819
SW-846 6020A	Aluminum	mg/kg	NS	NS		22300	26500	14600	13500	11700	10200	22800	17800	16500	13800	20200	15700
SW-846 6020A	Antimony	mg/kg	NS	NS		0.258 U	0.325 J	0.13 U	0.115 U	0.102 U	0.0967 U	0.248 U	0.285 J	0.216 J	0.179 U	0.202 U	0.11 U
SW-846 6020A	Arsenic	mg/Kg	10	33	1	6.1	6.48	2.31	1.72	3.04	3.3	4.08	3.75	5.01	3.67	3.71	2.58
SW-846 6020A	Barium	mg/kg	NS	NS		142	169	66.7	55.3	28.8	35.3	111	97.6	104	68.2	76.4	66
SW-846 6020A	Beryllium	mg/kg	NS	NS		1.1	1.19	0.527	0.395	0.432	0.474	0.986	1.02	0.921	0.635	0.788	0.692
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.693	0.629 J	0.171 J	0.0648 J	0.0727 J	0.0857 J	0.444 J	0.478 J	0.526	0.451	0.323 J	0.0843 J
SW-846 6020A	Calcium	mg/kg	NS	NS		5670	6750	2260	1070	3120	2920	5130	3960	6290	3740	3340	2230
SW-846 6020A	Chromium	mg/kg	43	110	1	26	32.3	16	13.5	25	26.2	25.9	21.6	20.4	15.5	20.3	16.6
SW-846 6020A	Cobalt	mg/kg	NS	NS		16.8	18.5	10.9	9.7	10.6	8.87	16.9	13.8	12.2	12.5	15.1	8.71
SW-846 6020A	Copper	mg/kg	32	150	1	44.4	57.4	13.6	8.86	13.8	14.7	39.1	32.9	34.1	21.6	20.9	10.1
SW-846 6020A	IRON	mg/kg	NS	NS		27100	34300	22700	22500	26900	24200	36200	26600	26300	25000	34500	19900
SW-846 6020A	Lead	mg/kg	36	130	1	52.2	50.4	10.5	7.49	12.7	16.7	31.2	33.5	34.7	28.8	30.9	12.4
SW-846 6020A	Magnesium	mg/kg	NS	NS		7160	8400	6330	6620	8040	7250	9970	6930	6350	6610	9970	5500
SW-846 6010C	Manganese	mg/kg	NS	NS		732	1040	316	283	341	297	828	569	600	448	472	248
SW-846 7471B	Mercury	mg/kg	0.2	1	1	0.0849 J	0.107 J	0.0148 U	0.0128 U	0.0121 U	0.0117 U	0.0643 J	0.0507 J	0.0784 J	0.0805 J	0.0404 J	0.0132 J
SW-846 6020A	Nickel	mg/Kg	23	49	1	36.3	42.2	22.5	21.9	29.2	28.4	38.8	29.1	26.2	24.5	33.8	19.1
SW-846 6020A	Potassium	mg/kg	NS	NS		1990	2300	1170	1080	757	820	2010	1670	1520	1060	1570	953
SW-846 6020A	Selenium	mg/kg	NS	NS		1.02 J	1.03 J	0.373 J	0.136 U	0.121 U	0.115 U	0.464 J	0.559 J	0.705 J	0.534 J	0.333 J	0.378 J
SW-846 6020A	Silver	mg/Kg	1	2.2	3	0.318 J	0.368 J	0.0308 U	0.0273 U	0.0242 U	0.0229 U	0.213 J	0.221 J	0.354 J	0.206 J	0.0917 J	0.0606 J
SW-846 6020A	Sodium	mg/kg	NS	NS		244 U	283 U	123 U	109 U	74.2 J	63.9 J	154 J	111 J	136 J	227 J	87.5 J	115
SW-846 6020A	Thallium	mg/kg	NS	NS		0.213 J	0.299 J	0.0987 J	0.0651 J	0.0475 J	0.0432 J	0.174 J	0.14 J	0.155 J	0.102 J	0.112 J	0.133 J
SW-846 6020A	Vanadium	mg/kg	NS	NS		30.1	34.5	15.4	13.4	14.7	13.5	27.3	23.1	23.1	17.9	22.8	21
SW-846 6020A	Zinc	mg/kg	120	460	1	174	204	71.7	63.3	72.8	60.3	161	143	153	113	133	61.6

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR05_A	TR05_A	TR05_A	TR05_B	TR05_B	TR05_C	TR05_C	TR05_D	TR05_D	TR05_D	TR05_D	TR05_E
					Field Sample ID	CVX-0011-06	CVX-0011-07	CVX-0011-08	CVX-0010-19	CVX-0010-20	CVX-0011-10	CVX-0011-11	CVX-0010-08	CVX-0010-09	CVX-0010-10	CVX-0010-11	CVX-0010-01
					Sample Date	8/27/2014	8/27/2014	8/27/2014	8/26/2014	8/26/2014	8/27/2014	8/27/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014
					Sample Delivery Group	1499492	1499492	1499492	1499124	1499124	1499492	1499492	1499124	1499124	1499124	1499124	1499124
					Sample Depth	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT
					Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
					Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		499	1150	1230	515	108 U	101000 J	42400	40500	35500	41500	14900	42900
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.000499	0.00115	0.00123	0.000515	0.000108	0.101	0.0424	0.0405	0.0355	0.0415	0.0149	0.0429
SW-846 6020A	Aluminum	mg/kg	NS	NS		16700	17800	11400	10000	9800	28300 J	13100	19900	21800	22800	17400	23500
SW-846 6020A	Antimony	mg/kg	NS	NS		0.106 U	0.108 UJ	0.0981 U	0.102 J	0.103 J	0.388 UJ	0.223 U	0.236 U	0.259 J	0.329 J	0.151 U	0.235 J
SW-846 6020A	Arsenic	mg/kg	10	33	1	4.66	7.33	6.39	3.47	3.14	9.86 J	6.03	6.27	6.19	6.96	5.03	10.9
SW-846 6020A	Barium	mg/kg	NS	NS		58.5	173 J	82.5	61.2	35.3	178 J	83.5	117	132	155	92.1	151
SW-846 6020A	Beryllium	mg/kg	NS	NS		0.684	0.641	0.54	0.57	0.592	1.32 J	0.606	0.9	0.951	1.1	0.669	1.02
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.0739 J	0.502	0.35	0.0841 J	0.106 J	0.784 J	0.423 J	0.601	0.73	0.806	0.425	0.603
SW-846 6020A	Calcium	mg/kg	NS	NS		1200	1580 J-	1560	13300	18100	7620 J	4200	6920	6780	6530	3460	6370
SW-846 6020A	Chromium	mg/kg	43	110	1	24.7	31.7 J-	26.9	37.6	24.8	44.1 J	28.3	26.2	27.7	31.1	24.3	29.5
SW-846 6020A	Cobalt	mg/kg	NS	NS		10.6	12.1 J	9.06	10.1	10.1	20.4 J	9.71	18.5	16.5	18	14.5	15.8
SW-846 6020A	Copper	mg/kg	32	150	1	10.3	15.3	13.7	18.9	21.4	55.3 J	27.7	41.4	53.5	51.5	27.7	49.6
SW-846 6020A	IRON	mg/kg	NS	NS		28600	32000	24200	23500	21300	47600 J	23500	29800	28400	34000	29900	34400
SW-846 6020A	Lead	mg/kg	36	130	1	14.2	12.7 J-	8.94	10.4	9.68	49 J	20.5	37.4	40.2	48.7	36.7	47.4
SW-846 6020A	Magnesium	mg/kg	NS	NS		6500	6880 J	4400	8900	9100	9820 J	5110	7900	8010	9560	8520	8110
SW-846 6010C	Manganese	mg/kg	NS	NS		334	2270 J	1480	929	583	1500 J	707	699	718	807	611	587
SW-846 7471B	Mercury	mg/kg	0.2	1	1	0.0228 J	0.0327 J	0.0317 J	0.0109 U	0.0119 J	0.137 J	0.0605 J	0.0888 J	0.0928 J	0.122 J	0.0551 J	0.117 J
SW-846 6020A	Nickel	mg/kg	23	49	1	26.3	35.7 J-	29.4	32.7	24.4	49.4 J	27.8	34.2	34.9	39.4	31.9	35.6
SW-846 6020A	Potassium	mg/kg	NS	NS		881	1200 J	747	1200	1240	2500 J	1080	1890	1830	2210	1600	2050
SW-846 6020A	Selenium	mg/kg	NS	NS		0.146 J	0.127 U	0.116 U	0.135 J	0.151 J	1.63 J	0.808 J	0.752 J	0.851 J	0.945 J	0.316 J	1.12 J
SW-846 6020A	Silver	mg/kg	1	2.2	3	0.0337 J	0.0661 J	0.0607 J	0.0217 U	0.0326 J	0.307 J	0.118 J	0.417 J	1.26	0.752	0.156 J	0.61
SW-846 6020A	Sodium	mg/kg	NS	NS		95.3 J	90 J	79.3 J	86.9 U	83.1 U	411 J	211 J	224 U	213 U	217 U	143 U	492
SW-846 6020A	Thallium	mg/kg	NS	NS		0.0999 J	0.148 J	0.0884 J	0.0663 J	0.0605 J	0.296 J	0.112 J	0.181 J	0.222 J	0.249 J	0.162 J	0.2 J
SW-846 6020A	Vanadium	mg/kg	NS	NS		23.2	21.8 J+	16.6	14.1	15	35.7 J	17	22.3	25.8	30.3	20.6	29.8
SW-846 6020A	Zinc	mg/kg	120	460	1	66.5	67.4	55.4	63.6	64.1	217 J	92.6	178	199	221	135	193

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR05_E	TR05_E	TR05_E	TR05_E	TR06_A	TR06_A	TR06_A	TR06_A	TR06_B	TR06_B	TR06_B	TR06_C
					Field Sample ID	CVX-0010-02	CVX-0010-03	CVX-0010-04	CVX-0010-05	CVX-0011-01	CVX-0011-02	CVX-0011-03	CVX-0011-04	CVX-0010-12	CVX-0010-13	CVX-0010-14	CVX-0010-06
					Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/27/2014	8/27/2014	8/27/2014	8/27/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014
					Sample Delivery Group	1499124	1499124	1499124	1499124	1499492	1499492	1499492	1499492	1499124	1499124	1499124	1499124
					Sample Depth	0.5-1 FT	1-2 FT	2-3 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	0-0.5 FT
					Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Purpose	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
					Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		37600	214 J	401	373	24400	54300	1250	2110	2470	1550	1890	13300
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.0376	0.000214	0.000401	0.000373	0.0244	0.0543	0.00125	0.00211	0.00247	0.00155	0.00189	0.0133
SW-846 6020A	Aluminum	mg/kg	NS	NS		24200	20400	17100	19900	15700	17700	16400	18600	12200	12300	13900	20300
SW-846 6020A	Antimony	mg/kg	NS	NS		0.286 J	0.116 J	0.106 J	0.135 J	0.227 U	0.226 U	0.108 U	0.108 J	0.107 U	0.101 U	0.158 J	0.26 J
SW-846 6020A	Arsenic	mg/Kg	10	33	1	8.59	4.59	5.59	5.73	6.03	5.91	4.76	17.5	3.14	4.77	4.38	9.47
SW-846 6020A	Barium	mg/kg	NS	NS		166	53.3	53.8	63	90.4	101	119	244	46.8	54.3	55.2	143
SW-846 6020A	Beryllium	mg/kg	NS	NS		1.12	0.523	0.461	0.559	0.679	0.786	0.709	0.857	0.388	0.515	0.591	0.924
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.719	0.052 J	0.0935 J	0.122 J	0.571	0.61	0.145 J	0.276	0.0585 J	0.0681 J	0.0896 J	0.552
SW-846 6020A	Calcium	mg/kg	NS	NS		11800	582	575	647	5410	6820	1190	2040	2170	2900	4520	4300
SW-846 6020A	Chromium	mg/kg	43	110	1	31.5	16.6	16	18.7	20	21.7	19.3	30.6	35.3	40.5	55.7	30.1
SW-846 6020A	Cobalt	mg/kg	NS	NS		16.2	12.1	11.1	12.4	11.3	12.8	12.7	12.9	9.21	12.1	12.2	18.1
SW-846 6020A	Copper	mg/kg	32	150	1	46.4	21.9	22.3	24.5	62.4	59	12.5	24	12	16.8	20.2	37.3
SW-846 6020A	IRON	mg/kg	NS	NS		33100	33700	30700	34100	26300	28000	28800	40400	21700	22500	25400	35600
SW-846 6020A	Lead	mg/kg	36	130	1	46.7	12.1	13.8	15.2	37.5	41.8	13.1	15.7	8.39	11.8	13	41.5
SW-846 6020A	Magnesium	mg/kg	NS	NS		8430	7030	7000	7560	6010	7060	5840	5910	6640	8120	8780	9550
SW-846 6010C	Manganese	mg/kg	NS	NS		643	511	562	574	597	601	528	2530	271	274	423	955
SW-846 7471B	Mercury	mg/kg	0.2	1	1	0.114 J	0.0123 J	0.0194 J	0.0164 J	0.719	0.728	0.0218 J	0.0266 J	0.0144 J	0.0237 J	0.0378 J	0.0763 J
SW-846 6020A	Nickel	mg/Kg	23	49	1	34.6	27.9	25.5	29	27.8	30.2	24.7	30.6	31.1	39.4	47.4	37.2
SW-846 6020A	Potassium	mg/kg	NS	NS		2240	1110	1090	1180	1210	1370	1380	1720	1020	1360	1380	2110
SW-846 6020A	Selenium	mg/kg	NS	NS		0.944 J	0.132 J	0.111 U	0.113 U	0.806 J	0.893 J	0.231 J	0.332 J	0.296 J	0.308 J	0.287 J	0.711 J
SW-846 6020A	Silver	mg/Kg	1	2.2	3	0.593 J	0.0229 U	0.0223 U	0.0226 U	0.501 J	0.747	0.061 J	0.12 J	0.0253 U	0.0287 J	0.0366 J	0.146 J
SW-846 6020A	Sodium	mg/kg	NS	NS		574	134	130	137	290	336	104	107	101 U	95.4 U	95.4 U	163 U
SW-846 6020A	Thallium	mg/kg	NS	NS		0.258 J	0.0981 J	0.0954 J	0.103 J	0.135 J	0.166 J	0.139 J	0.248	0.0691 J	0.0801 J	0.0756 J	0.228 J
SW-846 6020A	Vanadium	mg/kg	NS	NS		28.2	17.2	15.3	16.5	21.3	23.2	21.8	30.3	13	12.6	15.5	24.6
SW-846 6020A	Zinc	mg/Kg	120	460	1	206	68.4	65.9	70.5	153	173	64.6	76.9	57.5	77.1	75.5	151

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR06_C	TR06_D	TR06_D	TR06_D	TR06_D	TR06_E	TR06_E	TR06_E	TR06_E	TR07_A	TR07_A	TR07_A
					Field Sample ID	CVX-0010-07	CVX-0010-15	CVX-0010-16	CVX-0010-17	CVX-0010-18	CVX-0009-16	CVX-0009-17	CVX-0009-18	CVX-0009-19	CVX-0009-01	CVX-0009-02	CVX-0009-03
					Sample Date	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/26/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014
					Sample Delivery Group	1499124	1499124	1499124	1499124	1499124	1498701	1498701	1498701	1498701	1498701	1498701	1498701
					Sample Depth	0.5-1 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT
					Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
					Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		2790	7620	23200	9290	12800	20400	39600	14500	8450	24700	33900	40500
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.00279	0.00762	0.0232	0.00929	0.0128	0.0204	0.0396	0.0145	0.00845	0.0247	0.0339	0.0405
SW-846 6020A	Aluminum	mg/kg	NS	NS		13600	17100	19600	16600	17500	21600	24000	17100	16800	11400	13600	22300
SW-846 6020A	Antimony	mg/kg	NS	NS		0.102 U	0.172 J	0.186 J	0.163 U	0.143 J	0.225 U	0.232 U	0.135 U	0.119 U	0.114 U	0.14 U	0.186 U
SW-846 6020A	Arsenic	mg/Kg	10	33	1	2.82	5.81	6	5.32 J+	3.95	6.18	7.24	3.2	3.2	4.6	4.54	7.65
SW-846 6020A	Barium	mg/kg	NS	NS		44.1	95.9	121	94	99.8	113	151	87.6	74.2	74.8	72.7	145
SW-846 6020A	Beryllium	mg/kg	NS	NS		0.487	0.732	0.791	0.68	0.578	0.968	1.19	0.741	0.558	0.46	0.566	0.991
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.0689 J	0.537	0.428	0.274 J	0.289 J	0.665	0.852	0.209 J	0.145 J	0.382	0.372	0.742
SW-846 6020A	Calcium	mg/kg	NS	NS		1370	3370	2800	3270 J	2160	5250	6450	1770	1410	8570	2910	3980
SW-846 6020A	Chromium	mg/kg	43	110	1	16	21.4	23.1	20.8	18.4	27.3	32.9	21.9	16	47.7	14.3	29.6
SW-846 6020A	Cobalt	mg/kg	NS	NS		12	13.4	14.5	13.8	12.2	13.6	17.3	11.7	10.7	8.37	8.6	17.4
SW-846 6020A	Copper	mg/kg	32	150	1	15.2	28.3	27.5	21.1 J+	20.4	43.4	57.3	24.6	16.8	21.2	19.6	44.2 J
SW-846 6020A	IRON	mg/kg	NS	NS		28300	28100	30500	31700	26800	28300	32600	23700	24400	18900	20700	32700
SW-846 6020A	Lead	mg/kg	36	130	1	13.1	36.4	32.6	24.8	25.5	40.8	56.7	27.7	15	32.3	24.8	53.4
SW-846 6020A	Magnesium	mg/kg	NS	NS		7850	7210	7490	7730	6400	7480	9480	6370	5260	8090	4840	8540
SW-846 6010C	Manganese	mg/kg	NS	NS		378	597	641	659	590	564	634	316	286	493	580	706
SW-846 7471B	Mercury	mg/Kg	0.2	1	1	0.0116 U	0.0687 J	0.0675 J	0.0575 J	0.0638 J	0.504 U	0.569 U	0.325 U	0.292 U	0.276 U	0.313 U	0.417 U
SW-846 6020A	Nickel	mg/Kg	23	49	1	27.6	27.6	29.4	28.3 J+	24.9	33.4	40.8	27.5	22.9	36.2	18.9	35.9
SW-846 6020A	Potassium	mg/kg	NS	NS		1110	1320	1580	1480	1400	1780	2280	1170	923	956	1040	1610
SW-846 6020A	Selenium	mg/kg	NS	NS		0.124 J	0.442 J	0.679 J	0.511 J	0.432 J	0.937 J	1.12 J	0.63 J	0.398 J	0.47 J	0.676 J	1.19 J
SW-846 6020A	Silver	mg/Kg	1	2.2	3	0.0241 U	0.134 J	0.137 J	0.0765 J	0.0805 J	0.445 J	0.777	0.0835 J	0.0462 J	0.101 J	0.0883 J	0.249 J
SW-846 6020A	Sodium	mg/kg	NS	NS		96.4 U	124 U	151 U	154 U	128 U	256	265	112 J	80.8 J	105 J	90 J	164 J
SW-846 6020A	Thallium	mg/kg	NS	NS		0.0642 J	0.169 J	0.187 J	0.147 J	0.173 J	0.213 J	0.242 J	0.146 J	0.11 J	0.107 J	0.142 J	0.242 J
SW-846 6020A	Vanadium	mg/kg	NS	NS		14.5	19.9	22.6	19.9 J	20.8	28	35.8	22	17.6	16.2	16.6	29.1
SW-846 6020A	Zinc	mg/kg	120	460	1	107	121	127	110	105	266	244	98.4	70.1	75.2	109	167

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR07_A	TR07_B	TR07_B	TR07_B	TR07_B	TR07_B	TR07_B	TR07_B	TR07_C	TR07_C	TR07_D	TR07_D
					Field Sample ID	CVX-0009-04	CVX-0008-01	CVX-0008-02	CVX-0008-03	CVX-0008-04	CVX-0008-05	CVX-0008-06	CVX-0008-07	CVX-0009-05	CVX-0009-06	CVX-0009-07	CVX-0009-08
					Sample Date	8/25/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014
					Sample Delivery Group	1498701	1498276	1498276	1498276	1498276	1498276	1498276	1498276	1498701	1498701	1498701	1498701
					Sample Depth	1-2 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	3-4 FT	4-5 FT	5-6 FT	0-0.5 FT	0.5-1 FT	0-0.5 FT	0.5-1 FT
					Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Purpose	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample
					Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		47300	118 U	23700	20400	5770	20900	13000	12600	417	216 J	11200	24500
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.0473	0.000118	0.0237	0.0204	0.00577	0.0209	0.013	0.0126	0.000417	0.000216	0.0112	0.0245
SW-846 6020A	Aluminum	mg/kg	NS	NS		17300	6210	17400	18300	17900 J	19700	13200	13100	11900	13300	13700	17100
SW-846 6020A	Antimony	mg/kg	NS	NS		0.18 U	0.0971 U	0.148 U	0.165 U	0.108 UJ	0.138 U	0.124 U	0.114 U	0.0962 U	0.103 U	0.12 U	0.116 U
SW-846 6020A	Arsenic	mg/kg	10	33	1	5.79	2.55	7.14	4.55	2.8 J+	4.97	3.43	2.17	4.19	4.1	3.92	2.39
SW-846 6020A	Barium	mg/kg	NS	NS		94.6	19	94.2	104	58.1	105	56	59.4	25.8	34.3	66.4	67.2
SW-846 6020A	Beryllium	mg/kg	NS	NS		0.691	0.358	0.678	0.74	0.528	0.726	0.561	0.533	0.336	0.383	0.516	0.589
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.542	0.047 J	0.409	0.383 J	0.162 J	0.384	0.127 J	0.178 J	0.0571 J	0.0416 J	0.258 J	0.113 J
SW-846 6020A	Calcium	mg/kg	NS	NS		2700	2750	3120	2430	1790	2850	1880	1810	1360	2150	2220	1010
SW-846 6020A	Chromium	mg/kg	43	110	1	18	7.53	19.2	19.2	16.1 J	19.9	13.3	14.1	13.9	14.9	14.9	17.4
SW-846 6020A	Cobalt	mg/kg	NS	NS		11.5	3.76	11.3	11.5	9.75	12.4	9.44	7.98	7.79	8.76	8.85	10.4
SW-846 6020A	Copper	mg/kg	32	150	1	24.5 J	7.48	22.5	22.7	16.4	26.1	11.8	13.7	13.4	9.45	15.4	18
SW-846 6020A	IRON	mg/kg	NS	NS		28600	12900	25800	25200	28700 J-	27800	20400	19100	28300	29900	21500	26600
SW-846 6020A	Lead	mg/kg	36	130	1	29.1	7.55	29.6	29.6	21.9	29.5	9.72	10.5	9.4	9.97	22.3	12.2
SW-846 6020A	Magnesium	mg/kg	NS	NS		5880	5370	6720	6200	7050	6510	5280	5050	6990	8430	5650	6840
SW-846 6010C	Manganese	mg/kg	NS	NS		652	277	419	476	311	420	376	260	348	279	468	429
SW-846 7471B	Mercury	mg/kg	0.2	1	1	0.418 U	0.0292 J	0.0837 J	0.0725 J	0.0665 J	0.0814 J	0.0198 J	0.0132 U	0.233 U	0.236 U	0.268 U	0.262 U
SW-846 6020A	Nickel	mg/kg	23	49	1	25	9.94	25.4	25.6	23.8 J-	26.6	19.2	18.8	21.6	24	20.6	27
SW-846 6020A	Potassium	mg/kg	NS	NS		1050	669	1490	1290	1300	1430	1080	924	727	914	972	1190
SW-846 6020A	Selenium	mg/kg	NS	NS		1.01 J	0.115 U	0.69 J	0.627 J	0.319 J	0.742 J	0.336 J	0.623 J	0.114 U	0.122 U	0.498 J	0.174 J
SW-846 6020A	Silver	mg/kg	1	2.2	3	0.117 J	0.023 U	0.0854 J	0.122 J	0.0434 J	0.0869 J	0.0294 U	0.0314 J	0.0228 U	0.0244 U	0.0507 J	0.0403 J
SW-846 6020A	Sodium	mg/kg	NS	NS		98 J	32.9 J	142	198	82.6 J	177	146	116	65.4 J	44.2 J	111 J	102 J
SW-846 6020A	Thallium	mg/kg	NS	NS		0.177 J	0.0345 U	0.186 J	0.171 J	0.106 J	0.212 J	0.0927 J	0.0972 J	0.0342 U	0.038 J	0.114 J	0.11 J
SW-846 6020A	Vanadium	mg/kg	NS	NS		19.4	7.03	21.1	20.8	17.3 J-	21.8	14.5	15.1	12.1	12.8	15.6	19.4
SW-846 6020A	Zinc	mg/kg	120	460	1	176	78.7	128	163	76.9 J	143	110	89.2	43.2	64.4	101	81.4

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR07_D	TR07_D	TR07_E	TR07_E	TR07_E	TR07_E	TR07_E	TR09_C	TR10_A	TR10_A	TR10_A	TR10_A
					Field Sample ID	CVX-0009-09	CVX-0009-10	CVX-0009-11	CVX-0009-12	CVX-0009-13	CVX-0009-14	CVX-0009-15	CVX-0013-01	CVX-0013-02	CVX-0013-03	CVX-0013-04	CVX-0013-05
					Sample Date	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	8/25/2014	9/10/2014	9/10/2014	9/10/2014	9/10/2014	9/10/2014
					Sample Delivery Group	1498701	1498701	1498701	1498701	1498701	1498701	1498701	1502680	1502680	1502680	1502680	1502680
					Sample Depth	1-2 FT	2-3 FT	0-0.5 FT	0.5-1 FT	1-2 FT	2-3 FT	3-4 FT	0-0.5 FT	0-0.5 FT	0.5-1 FT	1-2 FT	1-2 FT
					Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
					Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate
					Sample Type	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		870	1920	19600	28800	8430	48700	2160	2170	3200	2280	2470	2930
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.00087	0.00192	0.0196	0.0288	0.00843	0.0487	0.00216	0.00217	0.0032	0.00228	0.00247	0.00293
SW-846 6020A	Aluminum	mg/kg	NS	NS		21800	26600	19700	21100	17500	38300	12000	13400	15000	14700	14600	14600
SW-846 6020A	Antimony	mg/kg	NS	NS		0.107 UJ	0.106 U	0.158 U	0.139 U	0.139 U	0.188 U	0.121 U	0.0965 UJ	0.106 U	0.103 U	0.104 U	0.107 U
SW-846 6020A	Arsenic	mg/kg	10	33	1	4.43 J-	7.33	4.69	3.75	4.29	13.2	7.78	4.74 J-	4.53	3.22	3.14	3.42
SW-846 6020A	Barium	mg/kg	NS	NS		91.6 J	98.5	107	108	91	170	64.2	47.7	74.7	45.5	40	47.7
SW-846 6020A	Beryllium	mg/kg	NS	NS		0.909 J-	1.4	0.753	0.77	0.671	2.52	1.13	0.409 J+	0.877	0.82	0.824	0.719
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.2 J	0.249 J	0.422	0.405	0.363	0.567	0.263 J	0.133 J	0.109 J	0.0621 J	0.0759 J	0.0649 J
SW-846 6020A	Calcium	mg/kg	NS	NS		1050	1380	2800	2080	2880	2420	1660	13400 J	2660	2440	2150	2570
SW-846 6020A	Chromium	mg/kg	43	110	1	20.2	25.2	21.4	21.6	19.9	42.2	16.7	17.3 J	32.1	38.4	39.8	32.5
SW-846 6020A	Cobalt	mg/kg	NS	NS		11.5	10.6	12.7	13.1	11.6	23.6	6.48	7.8 J+	12	8.57	8.73	8.73
SW-846 6020A	Copper	mg/kg	32	150	1	27.9 J-	32.3	25.5	26.7	26.9	60	22.4	17.8 J	16.3	17.7	10.3	12.4
SW-846 6020A	IRON	mg/kg	NS	NS		33200	31700	27100	29800	26700	54700	18800	30400 J	25200	26300	27700	26400
SW-846 6020A	Lead	mg/kg	36	130	1	15.2 J-	11	30.9	30.1	26.9	33.2	10.1	29.6 J	37.2	31.8	20.2	31
SW-846 6020A	Magnesium	mg/kg	NS	NS		6860 J	13100	6840	6840	6530	16000	5930	14000 J	8450	6350	6900	6650
SW-846 6010C	Manganese	mg/kg	NS	NS		461	366	502	494	373	680	436	515	436	306	352	318
SW-846 7471B	Mercury	mg/kg	0.2	1	1	0.238 U	0.254 U	0.364 U	0.34 U	0.322 U	0.435 U	0.277 U	0.319 J+	1.3	0.116 J	0.0666 J	0.116 J
SW-846 6020A	Nickel	mg/kg	23	49	1	31.1 J-	37.9	27.1	29.1	26.3	60.4	22.1	22.1 J	35.8	32.5	34.6	31.2
SW-846 6020A	Potassium	mg/kg	NS	NS		1430 J	4390	1520	1430	1210	3030	2200	1110 J+	1820	1060	854	1150
SW-846 6020A	Selenium	mg/kg	NS	NS		0.269 J	0.344 J	0.778 J	0.779 J	0.643 J	0.4 J	0.15 J	0.114 U	0.222 J	0.2 J	0.141 J	0.174 J
SW-846 6020A	Silver	mg/kg	1	2.2	3	0.0419 J	0.0838 J	0.0923 J	0.0827 J	0.0983 J	0.0572 J	0.0906 J	0.027 J	0.118 J	0.0584 J	0.0525 J	0.0621 J
SW-846 6020A	Sodium	mg/kg	NS	NS		98.8 J	117	136 J	127 J	174	185	94.8 J	84.2 J	122	57.3 J	59.4 J	75.5 J
SW-846 6020A	Thallium	mg/kg	NS	NS		0.128 J	0.209 J	0.192 J	0.218 J	0.167 J	0.408 J	0.14 J	0.0506 J	0.115 J	0.0706 J	0.0619 J	0.0767 J
SW-846 6020A	Vanadium	mg/kg	NS	NS		26.6 J-	34.4	23.7	23	20.1	52.8	29.6	15.9 J+	22.4	15.3	21.1	16.9
SW-846 6020A	Zinc	mg/kg	120	460	1	80.3	104	121	154	118	132	120	108 J	80.6	73.2	80.9	71.6

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR11_B		TR11_C		TR11_C		TR11_C	
					Field Sample ID	CVX-0014-01		CVX-0014-02		CVX-0014-03		CVX-0014-04	
					Sample Date	9/11/2014		9/11/2014		9/11/2014		9/11/2014	
					Sample Delivery Group	1502969		1502969		1502969		1502969	
					Sample Depth	0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
					Matrix	SOIL		SOIL		SOIL		SOIL	
					Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample	
					Sample Type	Sediment		Sediment		Sediment		Sediment	
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV mg/kg[(1)]**	**FW Class C SGV mg/kg[(1)]**	Derivation								
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		107	U	349		667		668	
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.000107		0.000349		0.000667		0.000668	
SW-846 6020A	Aluminum	mg/kg	NS	NS		12100		13200		14100		16700	
SW-846 6020A	Antimony	mg/Kg	NS	NS		0.0888	U	0.0927	U	0.0928	U	0.0989	UJ
SW-846 6020A	Arsenic	mg/Kg	10	33	1	4.11		3.35		2.41		3.47	
SW-846 6020A	Barium	mg/kg	NS	NS		34.6		40.3		28.6		41.9	J
SW-846 6020A	Beryllium	mg/Kg	NS	NS		0.385		0.451		0.391		0.516	
SW-846 6020A	Cadmium	mg/kg	1	5	1	0.0465	J	0.0573	J	0.0563	J	0.0719	J
SW-846 6020A	Calcium	mg/kg	NS	NS		4450		12700		1510		6490	J
SW-846 6020A	Chromium	mg/Kg	43	110	1	15		26.1		18.2		24	J
SW-846 6020A	Cobalt	mg/kg	NS	NS		10.1		8.81		9.84		9.71	J+
SW-846 6020A	Copper	mg/kg	32	150	1	14		11.8		10.7		12	
SW-846 6020A	IRON	mg/Kg	NS	NS		26100		24700		27400		29900	
SW-846 6020A	Lead	mg/Kg	36	130	1	15.1		8.85		7.89		12.5	J+
SW-846 6020A	Magnesium	mg/kg	NS	NS		7660		12000		7550		10600	J
SW-846 6010C	Manganese	mg/kg	NS	NS		375		367		358		382	
SW-846 7471B	Mercury	mg/Kg	0.2	1	1	0.0508	J	0.0569	J	0.0351	J	0.0411	J
SW-846 6020A	Nickel	mg/Kg	23	49	1	20.9		27.7		23.1		28.5	J
SW-846 6020A	Potassium	mg/kg	NS	NS		1170		1640		941		1490	J
SW-846 6020A	Selenium	mg/Kg	NS	NS		0.201	J	0.162	J	0.13	J	0.203	J
SW-846 6020A	Silver	mg/Kg	1	2.2	3	0.021	U	0.022	U	0.022	U	0.0234	U
SW-846 6020A	Sodium	mg/kg	NS	NS		57.4	J	74.5	J	43.6	J	162	J
SW-846 6020A	Thallium	mg/Kg	NS	NS		0.0341	J	0.0547	J	0.0403	J	0.0455	J
SW-846 6020A	Vanadium	mg/kg	NS	NS		13.4		14.6		13.7		18.5	J
SW-846 6020A	Zinc	mg/Kg	120	460	1	62.2		70.9		71.7		87.2	J

TABLE 4

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
TARGET ANALYTE LIST METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

Notes:

Parameter has no SGV
Parameter detected concentration less than Class A SGV
Parameter detected concentration between Class A and Class C SGV
Parameter detected concentration greater than Class C SGV

(1) - Sediment criteria obtained from the NYSDEC document entitled, "Screening and Assessment of Contaminated Sediment, New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources, Bureau of Habitat, June 24, 2014.
TOC - Total organic carbon
SGV - Sediment Guidance Value
NS - Not specified
mg/Kg - Milligrams per Kilograms
J - The analyte was positively identified, but the quantitation is an estimation.
J- - Estimated biased low at the value given
J+ - Estimated biased high at the value given
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
UJ - The analyte was detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

		Location	TR01_A		TR01_A		TR01_A		TR01_A		TR01_B		TR01_B		TR01_B		TR01_B		TR01_C		TR01_C		TR01_C		TR01_C		TR01_D	
		Field Sample ID	CVX-0004-01		CVX-0004-02		CVX-0004-03		CVX-0004-08		CVX-0004-04		CVX-0004-05		CVX-0004-06		CVX-0004-07		CVX-0004-09		CVX-0004-10		CVX-0004-11		CVX-0004-12		CVX-0004-13	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Grou	1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.7 FT		0-0.5 FT		0.5-1 FT		1-2 FT		1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-2.9 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units																										
Lloyd Kahn modified	Total Organic Carbon	mg/kg	12400		24400		9340		9270		6870		21700		1590		1680		9860		1050		1550		1220		11700	
Lloyd Kahn modified	Total Organic Carbon	fraction	0.0124		0.0244		0.00934		0.00927		0.00687		0.0217		0.00159		0.00168		0.00986		0.00105		0.00155		0.00122		0.0117	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	umoles/g	0.75	J	4.2		0.63	U	0.63	U	0.63	U	2.7		1.8	J	1.3	J	6.1		1.6	J	1.6	J	0.63	U	3	
SM 2540 G	Moisture	%	34.8		39.7		18.7		26.2		22.1		40.7		22.4		15.2		32.9		20.1		26.2		21.1		32.2	
SW-846 6010C	Cadmium	umoles/g	0.000604	J	0.000406	J	0.000254	J	0.000297	J	0.000375	J	0.000378	J	0.000494	J	0.000769	J	0.000706	J	0.000393	J	0.0008	J	0.000344	J	0.000634	J
SW-846 6010C	Copper	umoles/g	0.0634		0.0508		0.0461		0.0522		0.0444		0.0456		0.0371		0.0562		0.0474		0.035		0.0549	J-	0.0558		0.0329	
SW-846 6010C	Lead	umoles/g	0.0414	J+	0.0344	J+	0.0278	J+	0.0275	J+	0.0241	J+	0.0248	J+	0.0329	J+	0.0393	J+	0.0316	J+	0.0297	J+	0.0322	J+	0.029	J+	0.022	J+
SW-846 6010C	Nickel	umoles/g	0.026		0.032		0.0255		0.0271		0.0316		0.0307		0.0316		0.0425		0.0419		0.0288		0.0312		0.0311		0.0305	
SW-846 6010C	Silver	umoles/g	0.000439	U	0.000432	U	0.00043	U	0.000432	U	0.000439	U	0.000435	U	0.000423	U	0.000426	U	0.00043	U	0.000425	U		R	0.000437	U	0.000439	U
SW-846 6010C	Zinc	umoles/g	0.173	UJ	0.181	UJ	0.141	UJ	0.126	UJ	0.162	UJ	0.196	UJ	0.218	UJ	0.266	UJ	0.302	UJ	0.257	UJ	0.313	UJ	0.176	UJ	0.276	J+
	SEM total (6 metals)	umoles/g	0.30484		0.29904		0.24108		0.23353		0.26291		0.29791		0.32052		0.40520		0.42404		0.35132		0.43210		0.29268		0.36247	
	SEM total-AVS	**umoles/g**	**-0.445**		**-3.901**		**-0.389**		**-0.396**		**-0.367**		**-2.402**		**-1.479**		**-0.895**		**-5.676**		**-1.249**		**-1.168**		**-0.337**		**-2.638**	
	(SEM total-AVS)/fraction OC	**umoles/OC**	<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0	
	SEM-AVS difference greater than 0																											

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

		Location	TR01_D		TR01_D		TR01_D		TR01_E		TR01_E		TR02_A		TR02_A		TR02_B		TR02_C		TR02_D		TR02_D		TR02_E		TR02_E	
		Field Sample ID	CVX-0004-14		CVX-0004-15		CVX-0004-16		CVX-0004-17		CVX-0004-18		CVX-0001-01		CVX-0001-02		CVX-0005-01		CVX-0005-04		CVX-0005-05		CVX-0005-06		CVX-0005-07		CVX-0005-08	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/14/2014		8/14/2014		8/20/2014		8/20/2014		8/20/2014		8/20/2014		8/20/2014		8/20/2014	
		Sample Delivery Grou	1497485		1497485		1497485		1497485		1497485		1496370		1496370		1497631		1497631		1497631		1497631		1497631		1497631	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units																										
Lloyd Kahn modified	Total Organic Carbon	mg/kg	27500	J+	2440		4080		116	U	110	U	21600		4860		2330		8090		10400		3560		38300		64400	
Lloyd Kahn modified	Total Organic Carbon	fraction	0.0275		0.00244		0.00408		0.000116		0.00011		0.0216		0.00486		0.00233		0.00809		0.0104		0.00356		0.0383		0.0644	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	umoles/g	2.5		0.63	U	1.3	J	0.63	UJ	0.63	U	0.63	U	0.63	U	0.71	J	0.63	U	0.63	U	0.63	U	5.8		5.6	
SM 2540 G	Moisture	%	45.1		24.9		20.5		14		9.3		42.4		31.7		24.8		29		42.8		24.9		67.6		72.3	
SW-846 6010C	Cadmium	umoles/g	0.000819	J	0.0003	J	0.000363	J	0.000517	J	0.000272	J	0.000558	J	0.000543	J	0.000334	J	0.000463	J	0.000586	J	0.000436	J	0.00186	J	0.000722	J
SW-846 6010C	Copper	umoles/g	0.0696		0.0414		0.0516		0.0397		0.0327		0.0373		0.0447		0.0374		0.0321		0.0324		0.035		0.0223		0.0201	
SW-846 6010C	Lead	umoles/g	0.0267	J+	0.0241	J+	0.0272	J+	0.0221	J+	0.0195	J+	0.0156	J+	0.0205	J+	0.018		0.0202		0.022		0.0209		0.0663		0.0286	
SW-846 6010C	Nickel	umoles/g	0.0328		0.0334		0.0354		0.0212		0.0166		0.0167		0.0233		0.0223		0.0294		0.0269		0.0263		0.0347		0.0249	
SW-846 6010C	Silver	umoles/g	0.000431	U	0.000431	U	0.000427	U	0.000421	U	0.000431	U	0.00043	U	0.000425	U	0.000421	U	0.00043	U	0.000439	U	0.000427	U	0.000426	U	0.000423	U
SW-846 6010C	Zinc	umoles/g	0.312	J+	0.261	J+	0.254	J+	0.123	UJ	0.104	J+	0.158	UJ	0.146	UJ	0.14		0.165		0.176		0.166		0.457		0.229	
	SEM total (6 metals)	umoles/g	0.44235		0.36063		0.36899		0.20694		0.17350		0.22859		0.23547		0.21846		0.24759		0.25833		0.24906		0.58259		0.30375	
	SEM total-AVS	**umoles/g**	**-2.058**		**-0.269**		**-0.931**		**-0.423**		**-0.456**		**-0.401**		**-0.395**		**-0.492**		**-0.382**		**-0.372**		**-0.381**		**-5.217**		**-5.296**	
	(SEM total-AVS)/fraction OC	**umoles/OC**	<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0	
	SEM-AVS difference greater than 0																											

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

		Location	TR02_E		TR02_E		TR03_C		TR03_C		TR04_C		TR04_C		TR04_C		TR04_C		TR04_C		TR05_A		TR05_A		TR05_A		TR05_A	
		Field Sample ID	CVX-0005-09		CVX-0005-10		CVX-0011-12		CVX-0011-13		CVX-0007-01		CVX-0007-02		CVX-0007-03		CVX-0007-04		CVX-0007-05		CVX-0011-05		CVX-0011-06		CVX-0011-07		CVX-0011-08	
		Sample Date	8/20/2014		8/20/2014		8/27/2014		8/27/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/27/2014		8/27/2014		8/27/2014		8/27/2014	
		Sample Delivery Grou	1497631		1497631		1499492		1499492		1498092		1498092		1498092		1498092		1498092		1499492		1499492		1499492		1499492	
		Sample Depth	1-2 FT		2-2.75 FT		0-0.5 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		2-3 Ft		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units																										
Lloyd Kahn modified	Total Organic Carbon	mg/kg	16800		5720		2650	J	929	J	46800	J	42300		41800		44900	J	19400	J	8190		499		1150		1230	
Lloyd Kahn modified	Total Organic Carbon	fraction	0.0168		0.00572		0.00265		0.000929		0.0468		0.0423		0.0418		0.0449		0.0194		0.00819		0.000499		0.00115		0.00123	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	umoles/g	0.8	J	0.63	U	1.6	J	0.63	U	6.6		1.2	J	7.2		1.2	J	1.4	J	0.63	U	0.63	U	0.63	U	0.63	U
SM 2540 G	Moisture	%	36.9		27.4		18.3		16.9		67		59.6		60.4		53.7		59.1		26.1		20.9		22.3		17.3	
SW-846 6010C	Cadmium	umoles/g	0.000703	J	0.000451	J	0.000511	J	0.000419	J	0.000751	J	0.00104	J	0.00133	J	0.00111	J	0.00113	J	0.000252	J	0.000212	J	0.000246	J	0.00101	J
SW-846 6010C	Copper	umoles/g	0.0227		0.0272		0.0743		0.0582		0.063		0.063		0.0263		0.0552		0.0525		0.0241		0.0115		0.0076	J	0.026	
SW-846 6010C	Lead	umoles/g	0.0216		0.0206		0.0629	J	0.0348	J	0.0268		0.0386		0.0512		0.0433		0.0405		0.0156		0.0165		0.0126	J-	0.0103	
SW-846 6010C	Nickel	umoles/g	0.02		0.0256		0.068		0.0746		0.0332		0.027		0.0318		0.0199		0.0208		0.00565	J	0.00389	J	0.00859		0.0767	
SW-846 6010C	Silver	umoles/g	0.000438	U	0.000421	U	0.000427	U	0.000425	U	0.000436	U	0.000423	U	0.000427	U	0.00042	U	0.000426	U	0.000427	U	0.00042	U	0.000431	U	0.000419	U
SW-846 6010C	Zinc	umoles/g	0.18		0.168		0.198		0.16		0.237		0.325		0.443		0.274		0.29		0.0226		0.0155		0.033		0.072	
	SEM total (6 metals)	umoles/g	0.24544		0.24227		0.40414		0.32844		0.36119		0.45506		0.55406		0.39393		0.40536		0.06863		0.04802		0.06247		0.18643	
	SEM total-AVS	**umoles/g**	**-0.555**		**-0.388**		**-1.196**		**-0.302**		**-6.239**		**-0.745**		**-6.646**		**-0.806**		**-0.995**		**-0.561**		**-0.582**		**-0.568**		**-0.444**	
	(SEM total-AVS)/fraction OC	**umoles/OC**	<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0	
	SEM-AVS difference greater than 0																											

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

		Location	TR05_B		TR05_B		TR05_C		TR05_C		TR05_D	TR05_D		TR05_D		TR05_D		TR05_E		TR05_E		TR05_E		TR05_E		TR05_E	
		Field Sample ID	CVX-0010-19		CVX-0010-20		CVX-0011-10		CVX-0011-11		CVX-0010-08	CVX-0010-09		CVX-0010-10		CVX-0010-11		CVX-0010-01		CVX-0010-02		CVX-0010-03		CVX-0010-04		CVX-0010-05	
		Sample Date	8/26/2014		8/26/2014		8/27/2014		8/27/2014		8/26/2014	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
		Sample Delivery Grou	1499124		1499124		1499492		1499492		1499124	1499124		1499124		1499124		1499124		1499124		1499124		1499124		1499124	
		Sample Depth	0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT	0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		2-3 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units																									
Lloyd Kahn modified	Total Organic Carbon	mg/kg	515		108	U	101000	J	42400		40500	35500		41500		14900		42900		37600		214	J	401		373	
Lloyd Kahn modified	Total Organic Carbon	fraction	0.000515		0.000108		0.101		0.0424		0.0405	0.0355		0.0415		0.0149		0.0429		0.0376		0.000214		0.000401		0.000373	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	umoles/g	0.66	J	0.63	U	5.2	J	4.2		12	9.6		6.8		4.8		13.1		0.88	J	0.63	U	0.63	U	0.63	U
SM 2540 G	Moisture	%	9.7		7.4		79.3	J	62.2		64.6	62.5		63.5		45.2		63.8		68.4		16		12.8		11.5	
SW-846 6010C	Cadmium	umoles/g	0.00217	U	0.00213	U	0.00104	J	0.000907	J	0.00215	U	0.0022	U	0.00217	U	0.00246		0.00215	U	0.00217	U	0.00217	U	0.00217	U	0.00219	U
SW-846 6010C	Copper	umoles/g	0.16		0.142		0.0254	J	0.0316		0.0389	0.0428		0.105		0.105		0.043		0.104		0.137		0.134		0.125	
SW-846 6010C	Lead	umoles/g	0.0236		0.0236		0.0335	J	0.0319		0.0318	0.0462		0.0549		0.071		0.0526		0.0409		0.0376		0.0374		0.0364	
SW-846 6010C	Nickel	umoles/g	0.138		0.0849		0.0311	J	0.0583		0.0495	0.063		0.0682		0.0691		0.071		0.0646		0.0611		0.0606		0.0576	
SW-846 6010C	Silver	umoles/g	0.00043	U	0.000421	U	0.000427	UJ	0.00043	U	0.000426	U	0.000658	J	0.00043	U	0.000433	U	0.000426	U	0.000429	U	0.00043	U	0.00043	U	0.000433	U
SW-846 6010C	Zinc	umoles/g	0.312		0.33		0.216	J	0.219		0.401	0.565		0.559		0.481		0.563		0.211		0.158		0.157		0.15	
	SEM total (6 metals)	umoles/g	0.63620		0.58305		0.30747		0.34214		0.52378	0.71986		0.78970		0.72899		0.73218		0.42310		0.39630		0.39160		0.37162	
	SEM total-AVS	**umoles/g**	**-0.024**		**-0.047**		**-4.893**		**-3.858**		**-11.476**	**-8.880**		**-6.010**		**-4.071**		**-12.368**		**-0.457**		**-0.234**		**-0.238**		**-0.258**	
	(SEM total-AVS)/fraction OC	**umoles/OC**	<0		<0		<0		<0		<0	<0		<0		<0		<0		<0		<0		<0		<0	
	SEM-AVS difference greater than 0																										

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

		Location	TR06_A		TR06_A		TR06_A		TR06_A		TR06_B		TR06_B		TR06_B		TR06_C		TR06_C		TR06_D		TR06_D		TR06_D		TR06_D	
		Field Sample ID	CVX-0011-01		CVX-0011-02		CVX-0011-03		CVX-0011-04		CVX-0010-12		CVX-0010-13		CVX-0010-14		CVX-0010-06		CVX-0010-07		CVX-0010-15		CVX-0010-16		CVX-0010-17		CVX-0010-18	
		Sample Date	8/27/2014		8/27/2014		8/27/2014		8/27/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
		Sample Delivery Grou	1499492		1499492		1499492		1499492		1499124		1499124		1499124		1499124		1499124		1499124		1499124		1499124		1499124	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units																										
Lloyd Kahn modified	Total Organic Carbon	mg/kg	24400		54300		1250		2110		2470		1550		1890		13300		2790		7620		23200		9290		12800	
Lloyd Kahn modified	Total Organic Carbon	fraction	0.0244		0.0543		0.00125		0.00211		0.00247		0.00155		0.00189		0.0133		0.00279		0.00762		0.0232		0.00929		0.0128	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	umoles/g	9.3		0.84	J	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	2.9		6.5		2.4		4.6		2	J	3.3	
SM 2540 G	Moisture	%	63.6		62.7		24.2		21.5		22.4		17		17		51.8		18.6		36.1		47.9		48.2		39.5	
SW-846 6010C	Cadmium	umoles/g	0.00116	J	0.000498	J	0.00061	J	0.00226		0.00221	U	0.00218	U	0.0022	U	0.00214	U	0.00218	U	0.00224		0.00217	U	0.00219	U	0.00219	U
SW-846 6010C	Copper	umoles/g	0.0315		0.0215		0.024		0.0856		0.0745		0.0888		0.097		0.0892		0.0613		0.101		0.0923		0.105	J-	0.0853	
SW-846 6010C	Lead	umoles/g	0.0611		0.0302		0.024		0.0215		0.0214		0.0318		0.0269		0.0433		0.0428		0.0712		0.0476		0.0502	J-	0.0519	
SW-846 6010C	Nickel	umoles/g	0.0492		0.0189		0.0193		0.0709		0.132		0.152		0.192		0.062		0.0753		0.0702		0.0686		0.0696		0.0652	
SW-846 6010C	Silver	umoles/g	0.000437	U	0.000423	U	0.000422	U	0.000421	U	0.000437	U	0.000431	U	0.000435	U	0.000423	U	0.000431	U	0.000426	U	0.000429	U	0.000434	UJ	0.000433	U
SW-846 6010C	Zinc	umoles/g	0.394		0.108		0.0657		0.102		0.244		0.239		0.293		0.366		0.42		0.466		0.429		0.426		0.412	
	SEM total (6 metals)	umoles/g	0.53740		0.17952		0.13403		0.28268		0.47455		0.51421		0.61154		0.56306		0.60201		0.71107		0.64010		0.65342		0.61702	
	SEM total-AVS	**umoles/g**	**-8.763**		**-0.660**		**-0.496**		**-0.347**		**-0.155**		**-0.116**		**-0.018**		**-2.337**		**-5.898**		**-1.689**		**-3.960**		**-1.347**		**-2.683**	
	(SEM total-AVS)/fraction OC	**umoles/OC**	<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0	
	SEM-AVS difference greater than 0																											

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

		Location	TR06_E		TR06_E		TR06_E		TR06_E		TR07_A		TR07_A		TR07_A		TR07_A		TR07_B		TR07_B		TR07_B		TR07_B		TR07_B	
		Field Sample ID	CVX-0009-16		CVX-0009-17		CVX-0009-18		CVX-0009-19		CVX-0009-01		CVX-0009-02		CVX-0009-03		CVX-0009-04		CVX-0008-01		CVX-0008-02		CVX-0008-03		CVX-0008-04		CVX-0008-05	
		Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014	
		Sample Delivery Grou	1498701		1498701		1498701		1498701		1498701		1498701		1498701		1498701		1498276		1498276		1498276		1498276		1498276	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		3-4 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units																										
Lloyd Kahn modified	Total Organic Carbon	mg/kg	20400		39600		14500		8450		24700		33900		40500		47300		118	U	23700		20400		5770		20900	
Lloyd Kahn modified	Total Organic Carbon	fraction	0.0204		0.0396		0.0145		0.00845		0.0247		0.0339		0.0405		0.0473		0.000118		0.0237		0.0204		0.00577		0.0209	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	umoles/g	5.9		14.3		3.4		1.2	J	1.6	J	5.7		4.9		8		0.63	U	4.7		8.2		0.63	U	0.63	U
SM 2540 G	Moisture	%	62.9		65.4		39.4		32.6		28		40.1		55.5		55		15.6		43.6		50.8		25.3		40.5	
SW-846 6010C	Cadmium	umoles/g	0.00152	J	0.00219		0.00108	J	0.00103	J	0.00142	J	0.00149	J	0.00156	J	0.00146	J	0.000301	J	0.00175	J	0.00178	J	0.000395	J	0.00152	J
SW-846 6010C	Copper	umoles/g	0.0753		0.0413		0.0982		0.0948		0.0751		0.0607		0.0207		0.0172		0.0353		0.0246		0.0199		0.0372	J-	0.0225	
SW-846 6010C	Lead	umoles/g	0.0452		0.0608		0.0452		0.0353		0.0559		0.059		0.056		0.0552		0.0256		0.057		0.0593		0.0347	J-	0.0579	
SW-846 6010C	Nickel	umoles/g	0.0662		0.0754		0.0715		0.0745		0.029		0.0238		0.0332		0.0333		0.0239		0.0413		0.0419		0.0331		0.0439	
SW-846 6010C	Silver	umoles/g	0.00043	U	0.000425	U	0.00043	U	0.000426	U	0.000434	U	0.000428	U	0.000435	U	0.00043	U	0.00042	U	0.000436	U	0.000421	U		R	0.00043	U
SW-846 6010C	Zinc	umoles/g	0.421	J	0.644	J	0.285	J	0.289	J	0.281		0.312		0.34		0.325		0.213		0.341		0.35		0.224	J+	0.344	
	SEM total (6 metals)	umoles/g	0.60965		0.82412		0.50141		0.49506		0.44285		0.45742		0.45190		0.43259		0.29852		0.46609		0.47330		0.32940		0.47025	
	SEM total-AVS	**umoles/g**	**-5.290**		**-13.476**		**-2.899**		**-0.705**		**-1.157**		**-5.243**		**-4.448**		**-7.567**		**-0.331**		**-4.234**		**-7.727**		**-0.301**		**-0.160**	
	(SEM total-AVS)/fraction OC	**umoles/OC**	<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0	
	SEM-AVS difference greater than 0																											

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

		Location	TR07_B		TR07_B		TR07_C		TR07_C		TR07_D		TR07_D		TR07_D		TR07_D		TR07_E		TR07_E		TR07_E		TR07_E	
		Field Sample ID	CVX-0008-06		CVX-0008-07		CVX-0009-05		CVX-0009-06		CVX-0009-07		CVX-0009-08		CVX-0009-09		CVX-0009-10		CVX-0009-11		CVX-0009-12		CVX-0009-13		CVX-0009-14		CVX-0009-15	
		Sample Date	8/22/2014		8/22/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Grou	1498276		1498276		1498701		1498701		1498701		1498701		1498701		1498701		1498701		1498701		1498701		1498701		1498701	
		Sample Depth	4-5 FT		5-6 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		3-4 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units																										
Lloyd Kahn modified	Total Organic Carbon	mg/kg	13000		12600		417		216	J	11200		24500		870		1920		19600		28800		8430		48700		2160	
Lloyd Kahn modified	Total Organic Carbon	fraction	0.013		0.0126		0.000417		0.000216		0.0112		0.0245		0.00087		0.00192		0.0196		0.0288		0.00843		0.0487		0.00216	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	umoles/g	4.5		0.63	U	0.63	U	0.63	U	3.7		2.2		2.1		0.63	U	2.9		3.8		2.9		1.7	J	0.63	U
SM 2540 G	Moisture	%	33.4		28.3		14.8		18.9		29.5		27.2		21.1		21.8		46.7		42.1		39.3		56.3		31.6	
SW-846 6010C	Cadmium	umoles/g	0.000827	J	0.000996	J	0.000413	J	0.000328	J	0.00103	J	0.000808	J	0.000979	J	0.000484	J	0.00177	J	0.0019	J	0.00162	J	0.00203	J	0.00142	J
SW-846 6010C	Copper	umoles/g	0.0593		0.0732		0.0551		0.0377		0.0285		0.0472		0.104	J-	0.0485		0.111		0.148		0.106		0.121		0.122	
SW-846 6010C	Lead	umoles/g	0.0248		0.0236		0.0334		0.0315		0.0464		0.0423		0.0309	J-	0.0272		0.0537		0.0586		0.0565		0.0448		0.0252	
SW-846 6010C	Nickel	umoles/g	0.0281		0.0223		0.0325		0.0382		0.0297		0.0331		0.0788		0.0194		0.0738		0.0868		0.0658		0.0766		0.0684	
SW-846 6010C	Silver	umoles/g	0.000435	U	0.000433	U	0.000439	U	0.000427	U	0.000428	U	0.000436	U	0.000432	UJ	0.000435	U	0.000434	U	0.000433	U	0.00043	U	0.00043	U	0.000435	U
SW-846 6010C	Zinc	umoles/g	0.132		0.109		0.187		0.165		0.262		0.21		0.224		0.0807		0.457	J	0.519	J	0.404		0.305		0.178	
	SEM total (6 metals)	umoles/g	0.24546		0.22953		0.30885		0.27316		0.36806		0.33384		0.43911		0.17672		0.69770		0.81473		0.63435		0.54986		0.39546	
	SEM total-AVS	**umoles/g**	**-4.255**		**-0.400**		**-0.321**		**-0.357**		**-3.332**		**-1.866**		**-1.661**		**-0.453**		**-2.202**		**-2.985**		**-2.266**		**-1.150**		**-0.235**	
	(SEM total-AVS)/fraction OC	**umoles/OC**	<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0		<0	
	SEM-AVS difference greater than 0																											

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

		Location	TR09_C		TR10_A		TR10_A		TR10_A		TR10_A		TR11_B		TR11_C		TR11_C		TR11_C	
		Field Sample ID	CVX-0013-01		CVX-0013-02		CVX-0013-03		CVX-0013-04		CVX-0013-05		CVX-0014-01		CVX-0014-02		CVX-0014-03		CVX-0014-04	
		Sample Date	9/10/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014		9/11/2014		9/11/2014		9/11/2014		9/11/2014	
		Sample Delivery Grou	1502680		1502680		1502680		1502680		1502680		1502969		1502969		1502969		1502969	
		Sample Depth	0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		1-2 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units																		
Lloyd Kahn modified	Total Organic Carbon	mg/kg	2170		3200		2280		2470		2930		107	U	349		667		668	
Lloyd Kahn modified	Total Organic Carbon	fraction	0.00217		0.0032		0.00228		0.00247		0.00293		0.000107		0.000349		0.000667		0.000668	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	umoles/g	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	UJ
SM 2540 G	Moisture	%	13.4		24.5		20.8		20.9		23.4		6.8		10.7		10		15.5	
SW-846 6010C	Cadmium	umoles/g	0.000837	J	0.000394	J	0.000396	J	0.000347	J	0.000326	J	0.000548	J	0.000312	J	0.000574	J	0.000468	J
SW-846 6010C	Copper	umoles/g	0.944		0.0577		0.098		0.0498		0.074		0.0489		0.066		0.0515		0.0952	J-
SW-846 6010C	Lead	umoles/g	0.128		0.0645		0.0654		0.0632		0.0619		0.0362		0.0346		0.0363		0.0341	J+
SW-846 6010C	Nickel	umoles/g	0.0533		0.0795		0.0756		0.0678	J	0.17	J	0.0282		0.042		0.0481		0.0499	
SW-846 6010C	Silver	umoles/g	0.000426	U	0.000428	U	0.000433	U	0.000427	U	0.000427	U	0.000427	U	0.000426	U	0.000437	U	0.000428	U
SW-846 6010C	Zinc	umoles/g	0.485		0.208		0.186		0.15		0.258		0.263		0.309		0.254		0.266	J
	SEM total (6 metals)	umoles/g	1.61156		0.41052		0.42583		0.33157		0.56465		0.37728		0.45234		0.39091		0.44610	
	SEM total-AVS	**umoles/g**	**0.982**		**-0.219**		**-0.204**		**-0.298**		**-0.065**		**-0.253**		**-0.178**		**-0.239**		**-0.184**	
	(SEM total-AVS)/fraction OC	**umoles/OC**	452.3		<0		<0		<0		<0		<0		<0		<0		<0	
	SEM-AVS difference greater than 0																			

TABLE 5

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
ACID VOLATILE SULFIDES / SIMULTANEOUSLY EXTRACTED METALS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

Notes:
AVS-SEM difference greater than 0
Notes- Nondect AVS values are much higher than detected metals concentrations. This may bias the ratio.
Non-detected concentration is used at detection limit.
mg/Kg - Milligrams per Kilograms
Umoles/G - Micromoles per gram
AVS/SEM - Acid Volatile Sulfides/Simultaneously extracted metals
J - The analyte was positively identified, but the quantitation is an estimation.
J- - Estimated biased low at the value given
J+ - Estimated biased high at the value given
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
UJ - The analyte was detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria
R - Unusable value

TABLE 6

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCHLORINATED BIPHENYLS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR01_C		TR01_C		TR01_C		TR01_C		TR02_E		TR02_E		TR02_E		TR02_E	
					Field Sample ID	CVX-0004-09		CVX-0004-10		CVX-0004-11		CVX-0004-12		CVX-0005-07		CVX-0005-08		CVX-0005-09		CVX-0005-10	
					Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/20/2014		8/20/2014		8/20/2014		8/20/2014	
					Sample Delivery Group	1497485		1497485		1497485		1497485		1497631		1497631		1497631		1497631	
					Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.9 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-2.75 FT	
					Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
					Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
					Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/kg[(1)]**	**FW Class C SGV ug/kg[(1)]**	**Derivation**																
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		9860		1050		1550		1220		38300		64400		16800		5720	
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.00986		0.00105		0.00155		0.00122		0.0383		0.0644		0.0168		0.00572	
SW-846 8082A	Aroclor 1016	ug/kg	NS	NS		5.4	UJ	4.5	UJ	4.9	UJ	4.6	UJ	11	UJ	13	UJ	5.7	UJ	5	UJ
SW-846 8082A	Aroclor 1221	ug/kg	NS	NS		6.9	UJ	5.8	UJ	6.2	UJ	5.8	UJ	14	UJ	17	UJ	7.3	UJ	6.3	UJ
SW-846 8082A	Aroclor 1232	ug/kg	NS	NS		12	UJ	10	UJ	11	UJ	10	UJ	25	UJ	29	UJ	13	UJ	11	UJ
SW-846 8082A	Aroclor 1242	ug/kg	NS	NS		4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ	10	UJ	12	UJ	5.2	UJ	4.5	UJ
SW-846 8082A	Aroclor 1248	ug/kg	NS	NS		4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ	10	UJ	12	UJ	5.2	UJ	4.5	UJ
SW-846 8082A	Aroclor 1254	ug/kg	NS	NS		4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ	10	UJ	12	UJ	5.2	UJ	4.5	UJ
SW-846 8082A	Aroclor 1260	ug/kg	NS	NS		7.3	UJ	6.1	UJ	6.6	UJ	6.2	UJ	15	UJ	18	UJ	7.8	UJ	6.7	UJ
SW-846 8082A	Aroclor-1262	ug/kg	NS	NS		4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ	10	UJ	12	UJ	5.2	UJ	4.5	UJ
SW-846 8082A	Aroclor-1268	ug/kg	NS	NS		4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ	10	UJ	12	UJ	5.2	UJ	4.5	UJ
SW-846 8082A	Polychlorinated biphenyls	ug/kg	100	1000	5	0		0		0		0		0		0		0		0	

TABLE 6

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCHLORINATED BIPHENYLS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR03_C		TR03_C		TR04_C		TR04_C		TR04_C		TR04_C		TR04_C		TR05_E	
					Field Sample ID	CVX-0011-12		CVX-0011-13		CVX-0007-01		CVX-0007-02		CVX-0007-03		CVX-0007-04		CVX-0007-05		CVX-0010-01	
					Sample Date	8/27/2014		8/27/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/26/2014	
					Sample Delivery Group	1499492		1499492		1498092		1498092		1498092		1498092		1498092		1499124	
					Sample Depth	0-0.5 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		2-3 Ft		0-0.5 FT	
					Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
					Sample Purpose	Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample	
					Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/kg[(1)]**	**FW Class C SGV ug/kg[(1)]**	**Derivation**																
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		2650	J	929	J	46800	J	42300		41800		44900	J	19400	J	42900	
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.00265		0.000929		0.0468		0.0423		0.0418		0.0449		0.0194		0.0429	
SW-846 8082A	Aroclor 1016	ug/kg	NS	NS		4.3	U	4.3	U	11	U	8.8	U	9.1	U	7.6	U	8.7	U	9.9	U
SW-846 8082A	Aroclor 1221	ug/kg	NS	NS		5.5	U	5.4	U	14	U	11	U	12	U	9.8	U	11	U	13	U
SW-846 8082A	Aroclor 1232	ug/kg	NS	NS		9.6	U	9.5	U	24	U	20	U	20	U	17	U	19	U	22	U
SW-846 8082A	Aroclor 1242	ug/kg	NS	NS		4	U	3.9	U	10	U	8.1	U	8.3	U	7	U	8	U	9.1	U
SW-846 8082A	Aroclor 1248	ug/kg	NS	NS		4	U	3.9	U	10	U	8.1	U	8.3	U	7	U	8	U	9.1	U
SW-846 8082A	Aroclor 1254	ug/kg	NS	NS		4	U	3.9	U	11	J	9.3	J	9.5	J	16	J	14	J	9.1	U
SW-846 8082A	Aroclor 1260	ug/kg	NS	NS		5.9	U	5.8	U	15	U	12	U	12	U	10	U	12	U	14	U
SW-846 8082A	Aroclor-1262	ug/kg	NS	NS		4	U	3.9	U	10	U	8.1	U	8.3	U	7	U	8	U	9.1	U
SW-846 8082A	Aroclor-1268	ug/kg	NS	NS		4	U	3.9	U	10	U	8.1	U	8.3	U	7	U	8	U	9.1	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg	100	1000	5	0		0		11		9.3		9.5		16		14		0	

TABLE 6

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCHLORINATED BIPHENYLS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR05_E		TR05_E		TR05_E		TR05_E		TR06_D		TR06_D		TR06_D		TR06_D	
					Field Sample ID	CVX-0010-02		CVX-0010-03		CVX-0010-04		CVX-0010-05		CVX-0010-15		CVX-0010-16		CVX-0010-17		CVX-0010-18	
					Sample Date	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
					Sample Delivery Group	1499124		1499124		1499124		1499124		1499124		1499124		1499124		1499124	
					Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT	
					Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
					Sample Purpose	Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
					Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/kg[(1)]**	**FW Class C SGV ug/kg[(1)]**	**Derivation**																
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		37600		214	J	401		373		7620		23200		9290		12800	
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.0376		0.000214		0.000401		0.000373		0.00762		0.0232		0.00929		0.0128	
SW-846 8082A	Aroclor 1016	ug/kg	NS	NS		11	U	4.3	U	4.1	U	4.1	U	5.6	U	6.9	U	6.9	U	6	U
SW-846 8082A	Aroclor 1221	ug/kg	NS	NS		15	U	5.5	U	5.3	U	5.2	U	7.2	U	8.8	U	8.9	U	7.6	U
SW-846 8082A	Aroclor 1232	ug/kg	NS	NS		25	U	9.5	U	9.2	U	9	U	13	U	15	U	15	U	13	U
SW-846 8082A	Aroclor 1242	ug/kg	NS	NS		10	U	3.9	U	3.8	U	3.7	U	5.2	U	6.3	U	6.4	U	5.5	U
SW-846 8082A	Aroclor 1248	ug/kg	NS	NS		10	U	3.9	U	3.8	U	3.7	U	5.2	U	6.3	U	6.4	U	5.5	U
SW-846 8082A	Aroclor 1254	ug/kg	NS	NS		14	J	3.9	U	3.8	U	3.7	U	8.7	J	6.3	U	6.4	U	9.6	J
SW-846 8082A	Aroclor 1260	ug/kg	NS	NS		16	U	5.8	U	5.6	U	5.5	U	7.7	U	9.4	U	9.5	U	8.1	U
SW-846 8082A	Aroclor-1262	ug/kg	NS	NS		10	U	3.9	U	3.8	U	3.7	U	5.2	U	6.3	U	6.4	U	5.5	U
SW-846 8082A	Aroclor-1268	ug/kg	NS	NS		10	U	3.9	U	3.8	U	3.7	U	5.2	U	6.3	U	6.4	U	5.5	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg	100	1000	5	14		0		0		0		8.7		0		0		9.6	

TABLE 6

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCHLORINATED BIPHENYLS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR07_D		TR07_D		TR07_D		TR07_D		TR09_C		TR10_A		TR10_A		TR10_A	
					Field Sample ID	CVX-0009-07		CVX-0009-08		CVX-0009-09		CVX-0009-10		CVX-0013-01		CVX-0013-02		CVX-0013-03		CVX-0013-04	
					Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014	
					Sample Delivery Group	1498701		1498701		1498701		1498701		1502680		1502680		1502680		1502680	
					Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
					Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
					Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
					Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/kg[(1)]**	**FW Class C SGV ug/kg[(1)]**	**Derivation**																
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		11200		24500		870		1920		2170		3200		2280		2470	
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.0112		0.0245		0.00087		0.00192		0.00217		0.0032		0.00228		0.00247	
SW-846 8082A	Aroclor 1016	ug/kg	NS	NS		5	U	4.9	U	4.5	U	4.6	U	4.1	U	4.7	U	4.5	U	4.5	U
SW-846 8082A	Aroclor 1221	ug/kg	NS	NS		6.4	U	6.3	U	5.8	U	5.8	U	5.3	U	6	U	5.8	U	5.7	U
SW-846 8082A	Aroclor 1232	ug/kg	NS	NS		11	U	11	U	10	U	10	U	9.2	U	10	U	10	U	10	U
SW-846 8082A	Aroclor 1242	ug/kg	NS	NS		4.6	U	4.5	U	4.1	U	4.2	U	3.8	U	4.3	U	4.2	U	4.1	U
SW-846 8082A	Aroclor 1248	ug/kg	NS	NS		4.6	U	4.5	U	4.1	U	4.2	U	3.8	U	4.3	U	4.2	U	4.1	U
SW-846 8082A	Aroclor 1254	ug/kg	NS	NS		7.8	J	4.5	U	4.1	U	4.2	U	3.8	U	4.3	U	4.2	U	4.1	U
SW-846 8082A	Aroclor 1260	ug/kg	NS	NS		6.8	U	6.7	U	6.1	U	6.2	U	5.6	U	6.4	U	6.2	U	6.1	U
SW-846 8082A	Aroclor-1262	ug/kg	NS	NS		4.6	U	4.5	U	4.1	U	4.2	U	3.8	U	4.3	U	4.2	U	4.1	U
SW-846 8082A	Aroclor-1268	ug/kg	NS	NS		4.6	U	4.5	U	4.1	U	4.2	U	3.8	U	4.3	U	4.2	U	4.1	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg	100	1000	5	7.8		0		0		0		0		0		0		0	

TABLE 6

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCHLORINATED BIPHENYLS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

					Location	TR10_A		TR11_C		TR11_C		TR11_C	
					Field Sample ID	CVX-0013-05		CVX-0014-02		CVX-0014-03		CVX-0014-04	
					Sample Date	9/10/2014		9/11/2014		9/11/2014		9/11/2014	
					Sample Delivery Group	1502680		1502969		1502969		1502969	
					Sample Depth	1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
					Matrix	SOIL		SOIL		SOIL		SOIL	
					Sample Purpose	Field Duplicate		Regular sample		Regular sample		Regular sample	
					Sample Type	Sediment		Sediment		Sediment		Sediment	
Analytical Method	**Parameter Name**	**Units**	**FW Class A SGV ug/kg[(1)]**	**FW Class C SGV ug/kg[(1)]**	**Derivation**								
Lloyd Kahn modified	Total Organic Carbon	mg/kg	NS	NS		2930		349		667		668	
Lloyd Kahn modified	Total Organic Carbon		NS	NS		0.00293		0.000349		0.000667		0.000668	
SW-846 8082A	Aroclor 1016	ug/kg	NS	NS		4.7	U	4	U	3.9	U	4.3	U
SW-846 8082A	Aroclor 1221	ug/kg	NS	NS		5.9	U	5.1	U	5	U	5.4	U
SW-846 8082A	Aroclor 1232	ug/kg	NS	NS		10	U	8.9	U	8.7	U	9.5	U
SW-846 8082A	Aroclor 1242	ug/kg	NS	NS		4.3	U	3.7	U	3.6	U	3.9	U
SW-846 8082A	Aroclor 1248	ug/kg	NS	NS		4.3	U	3.7	U	3.6	U	3.9	U
SW-846 8082A	Aroclor 1254	ug/kg	NS	NS		4.3	U	3.7	U	3.6	U	3.9	U
SW-846 8082A	Aroclor 1260	ug/kg	NS	NS		6.3	U	5.4	U	5.4	U	5.8	U
SW-846 8082A	Aroclor-1262	ug/kg	NS	NS		4.3	U	3.7	U	3.6	U	3.9	U
SW-846 8082A	Aroclor-1268	ug/kg	NS	NS		4.3	U	3.7	U	3.6	U	3.9	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg	100	1000	5	0		0		0		0	

TABLE 6

SEDIMENT ANALYTICAL DATA SUMMARY TABLE
POLYCHLORINATED BIPHENYLS
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

Notes:

Parameter detected concentration less than Class A SGV

(1) - Sediment criteria obtained from the NYSDEC document entitled, "Screening and Assessment of Contaminated Sediment, New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources, Bureau of Habitat, June 24, 2014.

SGV - Sediment Guidance Value
NS - Not specified
mg/Kg - Milligrams per Kilograms
ug/Kg - Micrograms per Kilograms
J - The analyte was positively identified, bu the quantitation is an estimation.
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.
UJ - The analyte was detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria

TABLE 7

SURFACE WATER ANALYTICAL DATA SUMMARY TABLE
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

				Location	TR01	TR02	TR03	TR04	TR05	TR06	TR07	TR07	TR08	TR09	TR10	TR11
				Field Sample ID	CVX-0003-01	CVX-0002-01	CVX-0006-01	CVX-0006-02	CVX-0006-04	CVX-0006-05	CVX-0012-01	CVX-0012-02	CVX-0015-04	CVX-0015-03	CVX-0015-02	CVX-0015-01
				Sample Date	8/15/2014	8/14/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014	8/27/2014	8/27/2014	9/11/2014	9/11/2014	9/11/2014	9/11/2014
				Sample Delivery Group	1496618	1496388	1497595	1497595	1497595	1497595	1499493	1499493	1502970	1502970	1502970	1502970
				Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
				Sample Purpose	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Regular sample	Field Duplicate	Regular sample	Regular sample	Regular sample	Regular sample
			NYSDEC Part 703	Sample Type	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER	SURFACE WATER
Analytical Method	Parameter Name	Units	NY_Class C [1]	Filtered												
SM 2340 C-1997	Total Hardness as CaCO3	mgCaCO3/L	NS	N	124	154	199	191	185	174	179	183	198	208	218	217
SM 2540 D-1997	Total Suspended Solids	mg/l	NS	N	7	7.8	2.7 J	2.3 J	1.9 J	1.6 J	3.3	3.3	2.3 J	2.6 J	1.7 J	1.5 J
SM 4500-H+ B-2000	pH - Hydrogen Ion	SU	NS	N	8	7.7	7.8	7.9	8	7.9	8.1	8.1	8.2	8.2	8.1	8.1
SW-846 6020A	Aluminum	mg/l	NS	N	0.192 J	0.131 J	0.0797 J	0.0566 J	0.0666 J	0.057 J	0.0978 J	0.0945 J	0.0655 J	0.0734 J	0.0562 J	0.0365 J
SW-846 6020A	Aluminum	mg/l	0.1	Y	0.0088 J	0.0082 U	0.0098 J	0.011 J	0.0103 J	0.0188 J	0.0082 U	0.0082 U	0.0106 J	0.0176 J	0.0124 J	0.0139 J
SW-846 6020A	Antimony	mg/l	NS	N	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U
SW-846 6020A	Antimony	mg/l	NS	Y	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U	0.00033 U
SW-846 6020A	Arsenic	mg/l	NS	N	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.0009 J	0.00082 U	0.00082 U	0.00082 U	0.00082 U
SW-846 6020A	Arsenic	mg/l	0.15	Y	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 U	0.00082 J	0.001 J
SW-846 6020A	Barium	mg/l	NS	N	0.0133	0.0165	0.0158	0.0147	0.0165	0.0152	0.0186	0.019	0.0194	0.019	0.0177	0.0183
SW-846 6020A	Barium	mg/l	NS	Y	0.0126	0.0139	0.0146	0.0154	0.0147	0.0151	0.0184	0.0175	0.0173	0.0165	0.0187	0.0184
SW-846 6020A	Beryllium	mg/l	1.1	N	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U	4.50E-05 U
SW-846 6020A	Beryllium	mg/l	NS	Y	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U	0.000045 U
SW-846 6020A	Cadmium	mg/l	NS	N	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
SW-846 6020A	Cadmium	mg/l	0.0029	Y	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U	0.00017 U
SW-846 6020A	Calcium	mg/l	NS	N	34.1	39.1	45.8	47.3	43.8	42.7	48.2	47.8	53.2	52.4	52.6	53.1
SW-846 6020A	Calcium	mg/l	NS	Y	33.4	38	46.9	45.6	44.4	40.4	54.9	52.7	54	52.6	52.3	51.8
SW-846 6020A	Chromium	mg/l	NS	N	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
SW-846 6020A	Chromium	mg/l	0.103	Y	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
SW-846 6020A	Cobalt	mg/l	0.005	N	0.0002 J	0.00012 J	0.0001 U	0.00013 J	0.0001 U	0.0001 U	0.0001 J	0.0001 U	0.00012 J	0.0001 U	0.0001 U	0.0001 U
SW-846 6020A	Cobalt	mg/l	NS	Y	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.00013 J	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
SW-846 6020A	Copper	mg/l	NS	N	0.0018 J	0.0014 J	0.0018 J	0.0015 J	0.0018 J	0.002 J	0.0025 J	0.0028 J	0.0026 J	0.0027 J	0.0024 J	0.0024 J
SW-846 6020A	Copper	mg/l	0.02	Y	0.0014 J	0.0013 J	0.0017 J	0.0022 J	0.0022 J	0.0039 J	0.0022 J	0.0021 J	0.0025 J	0.0032 J	0.0028 J	0.0026 J
SW-846 6020A	IRON	mg/l	0.3	N	0.35	0.251	0.159 J	0.145 J	0.134 J	0.147 J	0.206	0.182 J	0.168 J	0.184 J	0.141 J	0.122 J
SW-846 6020A	IRON	mg/l	NS	Y	0.035 J	0.0181 J	0.0275 J	0.0318 J	0.0304 J	0.0215 J	0.0324 J	0.029 J	0.0332 J	0.0509 J	0.0395 J	0.0453 J
SW-846 6020A	Lead	mg/l	NS	N	4.10E-04 J	3.30E-04 J	2.60E-04 J	1.80E-04 J	1.90E-04 J	1.80E-04 J	2.50E-04 J	2.40E-04 J	3.10E-04 J	2.30E-04 J	2.10E-04 J	1.70E-04 J
SW-846 6020A	Lead	mg/l	0.0059	Y	0.000082 U	0.000082 U	0.000082 U	0.00014 J	0.000082 U	0.000082 U	0.000082 U	0.000082 U	0.000082 U	0.000094 J	0.000084 J	0.000082 U
SW-846 6020A	Magnesium	mg/l	NS	N	10	11.4	13.6	13.1	13.5	13.4	15.2	15.4	14.6	14.8	14.2	14.5
SW-846 6020A	Magnesium	mg/l	NS	Y	9.91	10.9	13.6	14.5	13.6	12.6	16	15.2	14.9	14.6	14.8	14.7
SW-846 6020A	Manganese	mg/l	NS	N	0.0595	0.108	0.0621	0.061	0.0647	0.064						
SW-846 6020A	Manganese	mg/l	NS	Y	0.0268	0.0749	0.051	0.0561	0.0567	0.0494						
SW-846 6010C	Manganese	mg/l	NS	N							0.0746	0.0726	0.0795	0.0836	0.0764	0.0672
SW-846 6010C	Manganese	mg/l	NS	Y							0.0553	0.0545	0.0616	0.0678	0.0589	0.0516
EPA 1631 Revision E	Mercury	mg/l	NS	N	0.0000028 U	0.0000028 U	0.0000028 U	0.0000028 U	0.0000028 U	0.0000028 U	0.00000398 J	0.00000318 J	0.0000028 U	0.0000028 U	0.00000305 J	0.0000028 U
EPA 1631 Revision E	Mercury	mg/l	0.0000026	Y	0.0000028 U	0.000004 J	0.0000028 U	0.0000028 U	0.0000028 U	0.0000028 U	0.00000344 J	0.0000028 U	0.0000028 U	0.0000028 U	0.0000028 U	0.0000028 U
SW-846 6020A	Nickel	mg/l	NS	N	0.001 J	0.0012 J	0.0012 J	0.0012 J	0.0012 J	0.0012 J	0.0015 J	0.0018 J	0.002 J	0.002 J	0.0016 J	0.0017 J
SW-846 6020A	Nickel	mg/l	0.073	Y	0.00079 U	0.0013 J	0.0011 J	0.0013 J	0.0015 J	0.0012 J	0.0017 J	0.0016 J	0.002 J	0.002 J	0.0021 J	0.0016 J
SW-846 6020A	Potassium	mg/l	NS	N	1.75	1.56	1.56	1.48	1.55	1.56	1.73	1.69	1.75	1.77	1.7	1.74
SW-846 6020A	Potassium	mg/l	NS	Y	1.66	1.48	1.6	1.73	1.59	1.48	1.89	1.73	1.79	1.76	1.8	1.8
SW-846 6020A	Selenium	mg/l	NS	N	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
SW-846 6020A	Selenium	mg/l	0.0046	Y	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
SW-846 6020A	Silver	mg/l	NS	N	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
SW-846 6020A	Silver	mg/l	0.0001	Y	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U	0.00013 U
SW-846 6020A	Sodium	mg/l	NS	N	43.4	67.4	81.7	77.2	79.2	74.1	85.4	86.1	93.5	92.4	89.8 J	92.6
SW-846 6020A	Sodium	mg/l	NS	Y	50.8	66.3	83.2	83.6	81.8	66.6	96.1	92.6	95	92.8	90.6	89.2
SW-846 6020A	Thallium	mg/l	NS	N	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
SW-846 6020A	Thallium	mg/l	0.008	Y	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U	0.00015 U
SW-846 6020A	Vanadium	mg/l	NS	N	0.00062 J	0.0006 J	0.00036 J	0.00035 J	0.00052 J	0.0004 J	0.00041 J	0.00034 J	0.00046 J	0.00046 J	0.00054 J	0.00045 J
SW-846 6020A	Vanadium	mg/l	0.014	Y	0.00043 J	0.00053 J	0.00034 J	0.00027 J	0.00028 J	0.00032 J	0.00046 J	0.00027 J	0.00042 J	0.00048 J	0.00041 J	0.00039 J
SW-846 6020A	Zinc	mg/l	NS	N	0.0027 J	0.0024 U	0.0033 J	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
SW-846 6020A	Zinc	mg/l	0.117	Y	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0025 J	0.0052 J	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U	0.0024 U
SW-846 8260C	1,1,1-Trichloroethane	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	1,1,2-Trichloroethane	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	1,1-Dichloroethane	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	1,1-Dichloroethene (Dichlo	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	1,2-Dichloroethane	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	1,2-Dichloropropane	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	2-Butanone (Methyl ethyl k	ug/l	NS	N	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 UJ	3 UJ	3 UJ
SW-846 8260C	2-Hexanone	ug/l	NS	N	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 UJ	3 UJ	3 UJ
SW-846 8260C	4-Methyl-2-pentanone	ug/l	NS	N	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 UJ	3 UJ	3 UJ	3 UJ
SW-846 8260C	Acetone	ug/l	NS	N	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
SW-846 8260C	Benzene	ug/l	10	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	Bromodichloromethane	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	Bromoform	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	Bromomethane (Methyl br	ug/l	NS	N	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SW-846 8260C	Carbon Disulfide	ug/l	NS	N	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

TABLE 7

SURFACE WATER ANALYTICAL DATA SUMMARY TABLE
Fishkill Creek Sampling Program
Former Texaco Research Center
Beacon, New York

				Location	TR01		TR02		TR03		TR04		TR05		TR06		TR07		TR07		TR08		TR09		TR10		TR11	
				Field Sample ID	CVX-0003-01		CVX-0002-01		CVX-0006-01		CVX-0006-02		CVX-0006-04		CVX-0006-05		CVX-0012-01		CVX-0012-02		CVX-0015-04		CVX-0015-03		CVX-0015-02		CVX-0015-01	
				Sample Date	8/15/2014		8/14/2014		8/20/2014		8/20/2014		8/20/2014		8/20/2014		8/27/2014		8/27/2014		9/11/2014		9/11/2014		9/11/2014		9/11/2014	
				Sample Delivery Group	1496618		1496388		1497595		1497595		1497595		1497595		1499493		1499493		1502970		1502970		1502970		1502970	
				Matrix	WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
				Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
			NYSDEC Part 703	Sample Type	SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER	
Analytical Method	Parameter Name	Units	NY_Class C [1]	Filtered																								
SW-846 8260C	Carbon Tetrachloride	ug/l	NS	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chlorobenzene	ug/l	5	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroethane	ug/l	NS	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroform	ug/l	NS	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloromethane (Methyl ch	ug/l	200	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/l	NS	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/l	NS	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Dibromochloromethane	ug/l	NS	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Ethylbenzene	ug/l	17	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Methylene chloride (Dichlo	ug/l	200	N	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/l	NS	N	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/l	1	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Toluene	ug/l	6000	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/l	NS	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/l	NS	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Trichloroethene (Trichloroe	ug/l	40	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Vinyl chloride (Chloroether	ug/l	NS	N	0.5	U	0.5	U	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Xylenes, Total	ug/l	65	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8270D SIM mod	Acenaphthene	ug/l	5.3	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Acenaphthylene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Anthracene	ug/l	3.8	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Benzo(a)anthracene	ug/l	0.03	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Benzo(a)Pyrene	ug/l	0.0012	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Benzo(b)Fluoranthene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Benzo(g,h,i)perylene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Benzo(k)Fluoranthene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Benzo[e]pyrene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C1-Benzanthrene/chrysene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C1-FLUORANTHRENES/PYR	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C1-Fluorenes	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C1-Naphthalenes	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C1-PHENANTHRENES/ANTI	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C2-Benzanthrene/chrysene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C2-Fluorenes	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C2-Naphthalenes	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C2-PHENANTHRENES/ANTI	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C3-Benzanthrene/chrysene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C3-Fluorenes	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C3-Naphthalenes	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C3-PHENANTHRENES/ANTI	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C4-Benzanthrene/chrysene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C4-Naphthalenes	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	C4-PHENANTHRENES/ANTI	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Chrysene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Dibenz(a,h)anthracene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Fluoranthene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Fluorene	ug/l	0.54	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Indeno(1,2,3-cd)pyrene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Naphthalene	ug/l	13	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	UJ	0.08	UJ	0.08	UJ	0.08	UJ	0.08	UJ
SW-846 8270D SIM mod	Perylene	ug/l	NS	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Phenanthrene	ug/l	5	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM mod	Pyrene	ug/l	4.6	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U	0.08	U	0.08	U

Notes:

(1) - NYSDEC Class C Surface Water and Groundwater Quality and Groundwater Effluent Limitations (New York Codes, Rules and Regulations (NYCRR) Part 703). In the absence of NYSDEC Part 703 screening criteria, numeric guidance values obtained from 1998 NYSDEC TOGS 1.1.1 groundwater screening criteria usage.

Concentration of parameters exceeds regulatory NYSDEC Part 703 Water Quality Class C screening criteria.

mg/L - Milligrams per liter

mg CaC03/L - Miligrams of calcium cabronate per liter.

SU - Standard Unit

ug/L - Milligram per liter

NS - Not specified

J - The analyte was positively identified, but the quantitation is an estimation.

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

UJ - The analyte was detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.

FIGURES

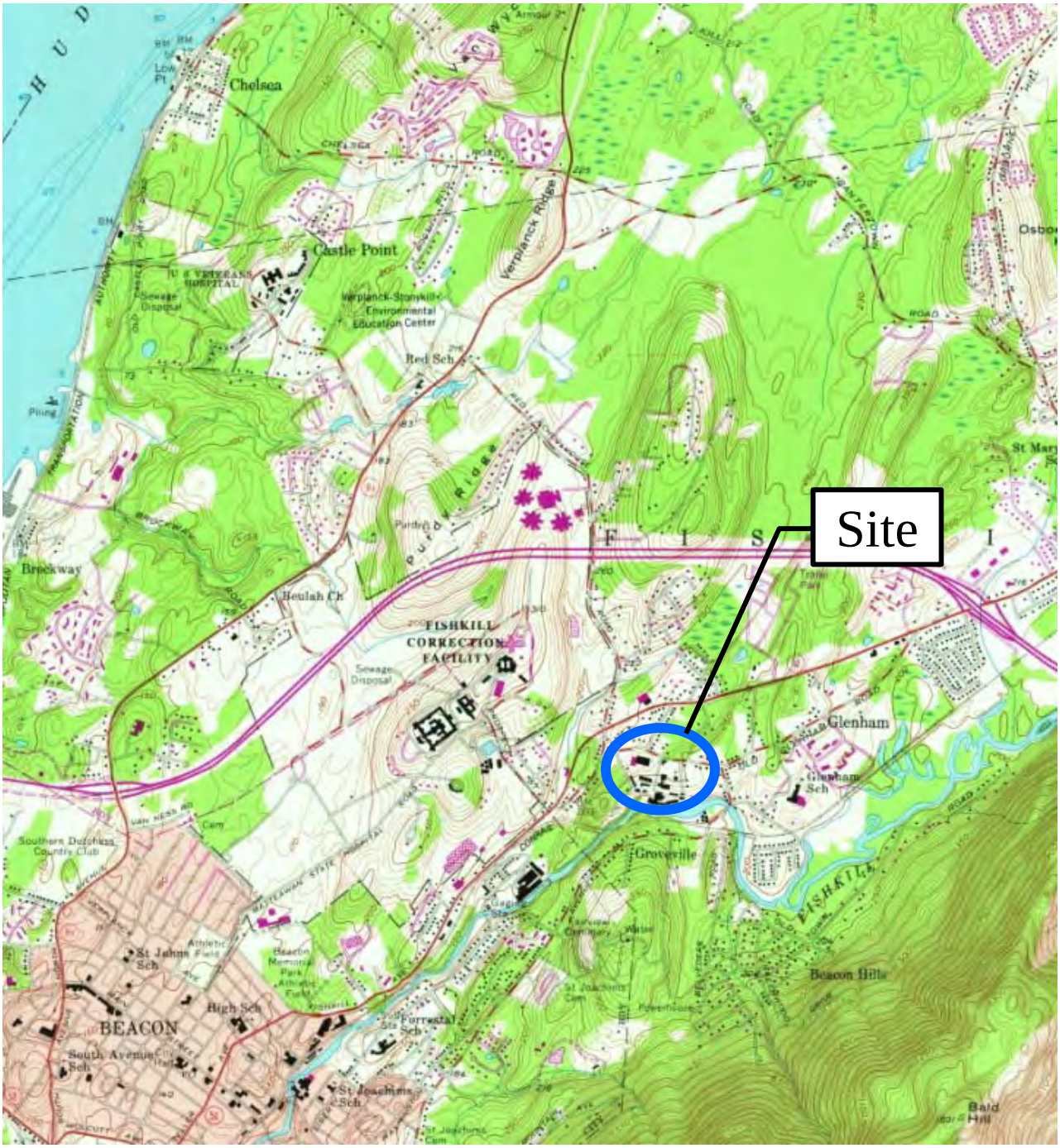
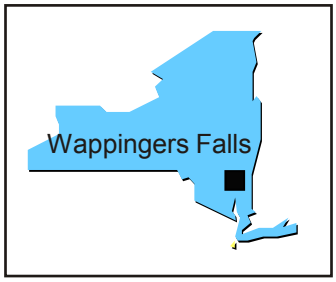


FIGURE 1



New York Quadrangle

N

SOURCE: U.S.G.S. WAPPINGERS FALLS QUADRANGLE

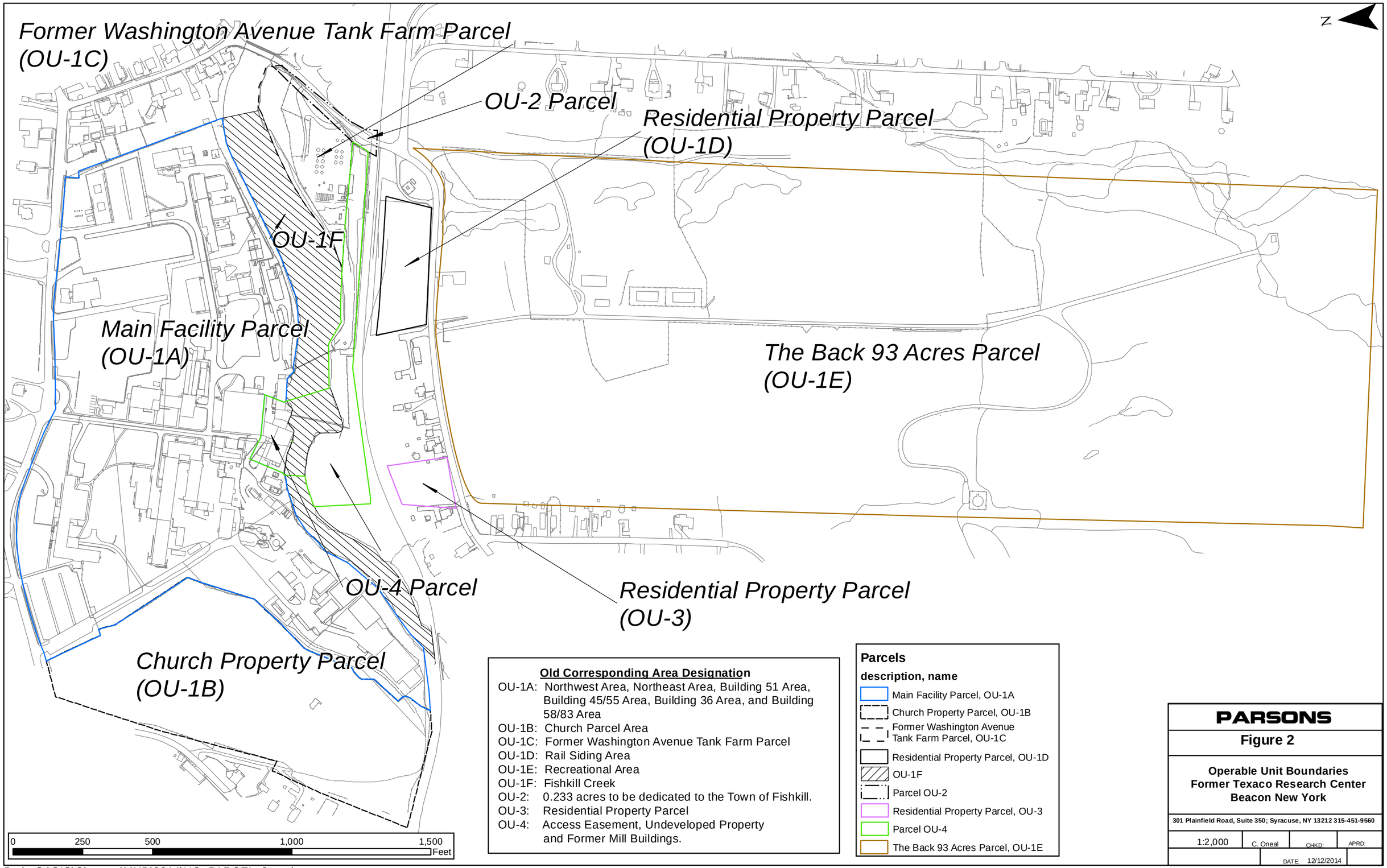
Chevron

Chevron Environmental Management Company (EMC)
Former Texaco Research Facility
Beacon, New York

SITE LOCATION MAP

PARSONS
301 PLAINFIELD ROAD * SUITE 350 * SYRACUSE, NY 13212 PHONE: (315) 451-9560

P:\Chevron Beacon\446068 - 2010 Site Demo Const Mgmt & ACM Ovrsght\15.0 CAMP Graphs and Data\Graphics\SITEMAP.PPTX



Old Corresponding Area Designation

OU-1A: Northwest Area, Northeast Area, Building 51 Area, Building 45/55 Area, Building 36 Area, and Building 58/83 Area
OU-1B: Church Parcel Area
OU-1C: Former Washington Avenue Tank Farm Parcel
OU-1D: Rail Siding Area
OU-1E: Recreational Area
OU-1F: Fishkill Creek
OU-2: 0.233 acres to be dedicated to the Town of Fishkill.
OU-3: Residential Property Parcel
OU-4: Access Easement, Undeveloped Property and Former Mill Buildings.

Parcels

description, name

- Main Facility Parcel, OU-1A
- Church Property Parcel, OU-1B
- Former Washington Avenue Tank Farm Parcel, OU-1C
- Residential Property Parcel, OU-1D
- OU-1F
- Parcel OU-2
- Residential Property Parcel, OU-3
- Parcel OU-4
- The Back 93 Acres Parcel, OU-1E

PARSONS

Figure 2

Operable Unit Boundaries
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
		DATE: 12/12/2014	

Path: G:\GIS\Chevron\MXD\2014\UO_PARCELv2.mxd

PARSONS

Figure 2.1

Fishkill Creek Surface Water & Sediment Sampling Locations Transects 1 through 3 Former Texaco Research Center Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/1/2014		

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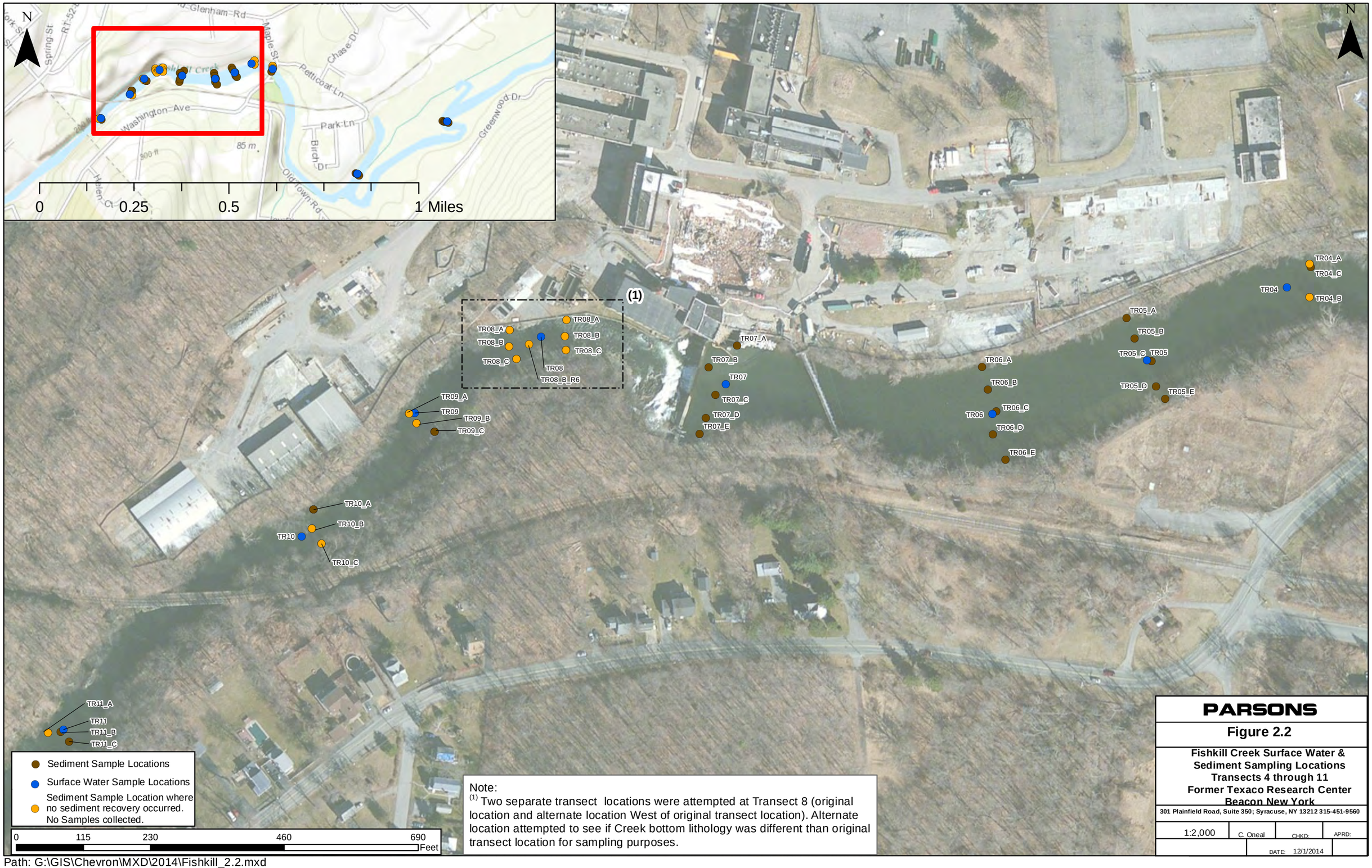

Note:
(1) Two separate transect locations were attempted at Transect 8 (original location and alternate location West of original transect location). Alternate location attempted to see if Creek bottom lithology was different than original transect location for sampling purposes.

PARSONS

Figure 2.2

Fishkill Creek Surface Water & Sediment Sampling Locations
Transects 4 through 11
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
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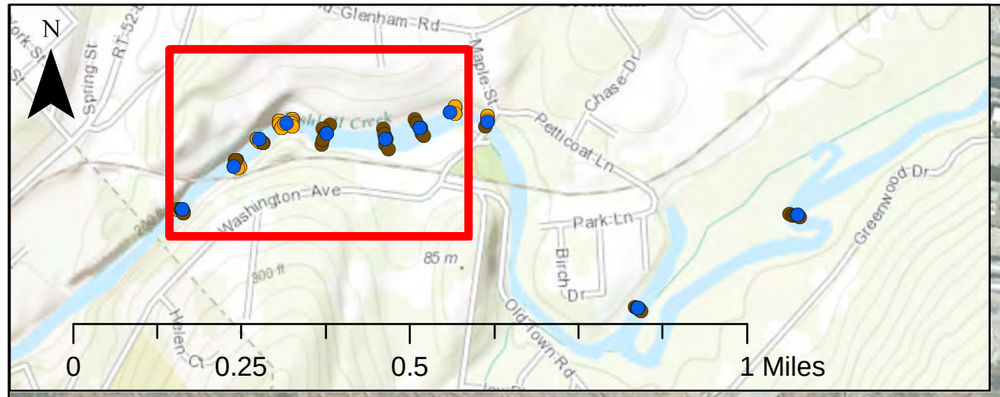

Note:
(1) Two separate transect locations were attempted at Transect 8 (original location and alternate location West of original transect location). Alternate location attempted to see if Creek bottom lithology was different than original transect location for sampling purposes.
(2) R1 through R3- Multiple drilling attempts at soil boring location.

PARSONS

Figure 2.3

Fishkill Creek Surface Water & Sediment Sampling Locations Transects 4 through 11 Former Texaco Research Center Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/1/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_2.3.mxd

[1] Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

- Sediment sample location where all analytical parameters were analyzed for, but not detected.
- Sediment sample location where one or more analytical parameters were detected at a concentration less than NYSDEC Class A sediment guidance values.

PARSONS

Figure 3.1

Fishkill Creek Sediment Sampling (VOCs)
Transect 1
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_3_1.mxd

(1) Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

- Sediment sample location where all analytical parameters were analyzed for, but not detected.
- Sediment sample location where one or more analytical parameters were detected at a concentration less than NYSDEC Class A sediment guidance values.

PARSONS

Figure 3.2

Fishkill Creek Sediment Sampling (VOCs)
Transect 2
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
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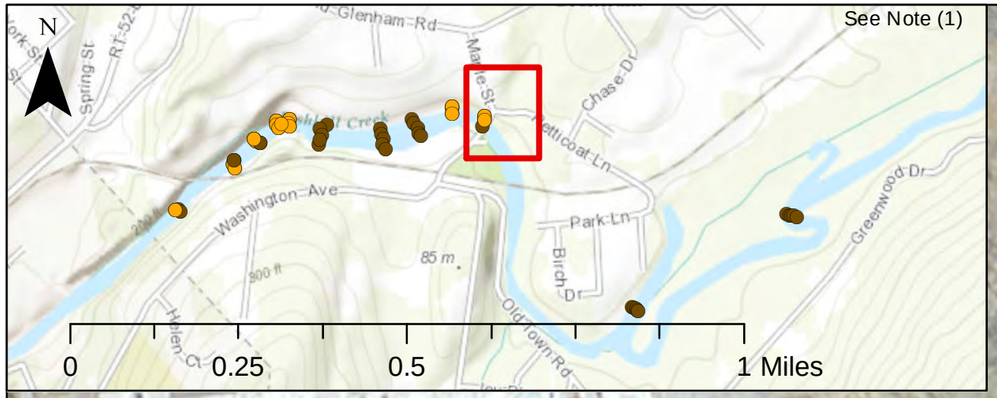

N

TR04_A

TR04_C

TR04_B

TR03_A

TR03_B

TR03_C

TR05_A

TR05_B

TR05_C

TR05_D

TR05_E

[1]Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

Sediment sample location where all analytical parameters were analyzed for, but not detected.

Sediment sample location where no sediment recovery occurred. No Samples collected.

PARSONS

Figure 3.3

Fishkill Creek Sediment Sampling (VOCs)
Transect 3
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
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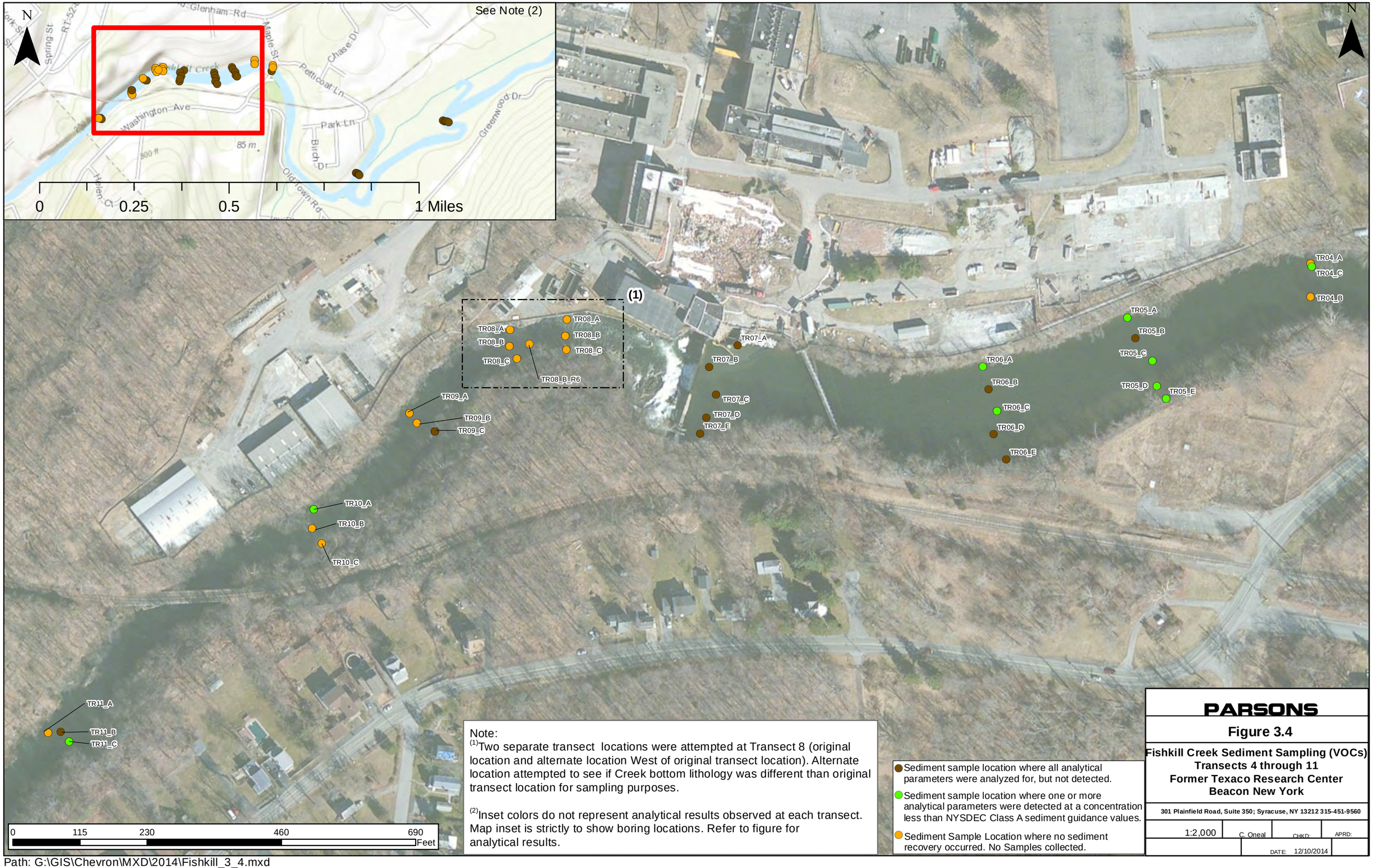


Note:
(1)Two separate transect locations were attempted at Transect 8 (original location and alternate location West of original transect location). Alternate location attempted to see if Creek bottom lithology was different than original transect location for sampling purposes.

(2)Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

- Sediment sample location where all analytical parameters were analyzed for, but not detected.
- Sediment sample location where one or more analytical parameters were detected at a concentration less than NYSDEC Class A sediment guidance values.
- Sediment Sample Location where no sediment recovery occurred. No Samples collected.

PARSONS

Figure 3.4

Fishkill Creek Sediment Sampling (VOCs)
Transects 4 through 11
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_3_4.mxd

(1) Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

Sediment sample location where all analytical parameters were analyzed for, but not detected.

PARSONS

Figure 4.1

Fishkill Creek Sediment Sampling (Total PAHs) Transect 1 Former Texaco Research Center Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/29/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_4_1.mxd

[1] Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

Sediment sample location where all analytical parameters were analyzed for, but not detected.

PARSONS

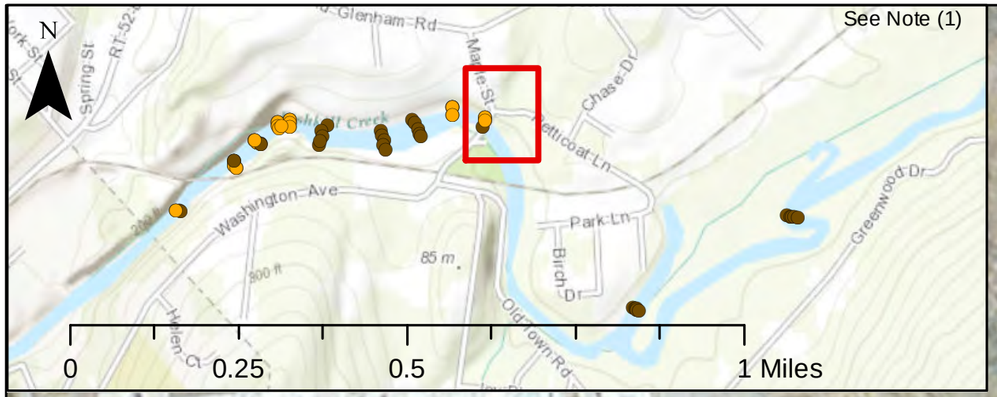
Figure 4.2

Fishkill Creek Sediment Sampling (Total PAHs) Transect 2
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/29/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_4_2.mxd



TR04_A

TR04_C

TR04_B

TR05_A

TR05_B

TR05_C

TR05_D

TR05_E

TR03_A

TR03_B

TR03_C

N

[(1)]Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

Sediment Sample Location where no sediment recovery occurred. No Samples collected.

Sediment sample locations where all analytical parameters were analyzed for, but not detected.

PARSONS

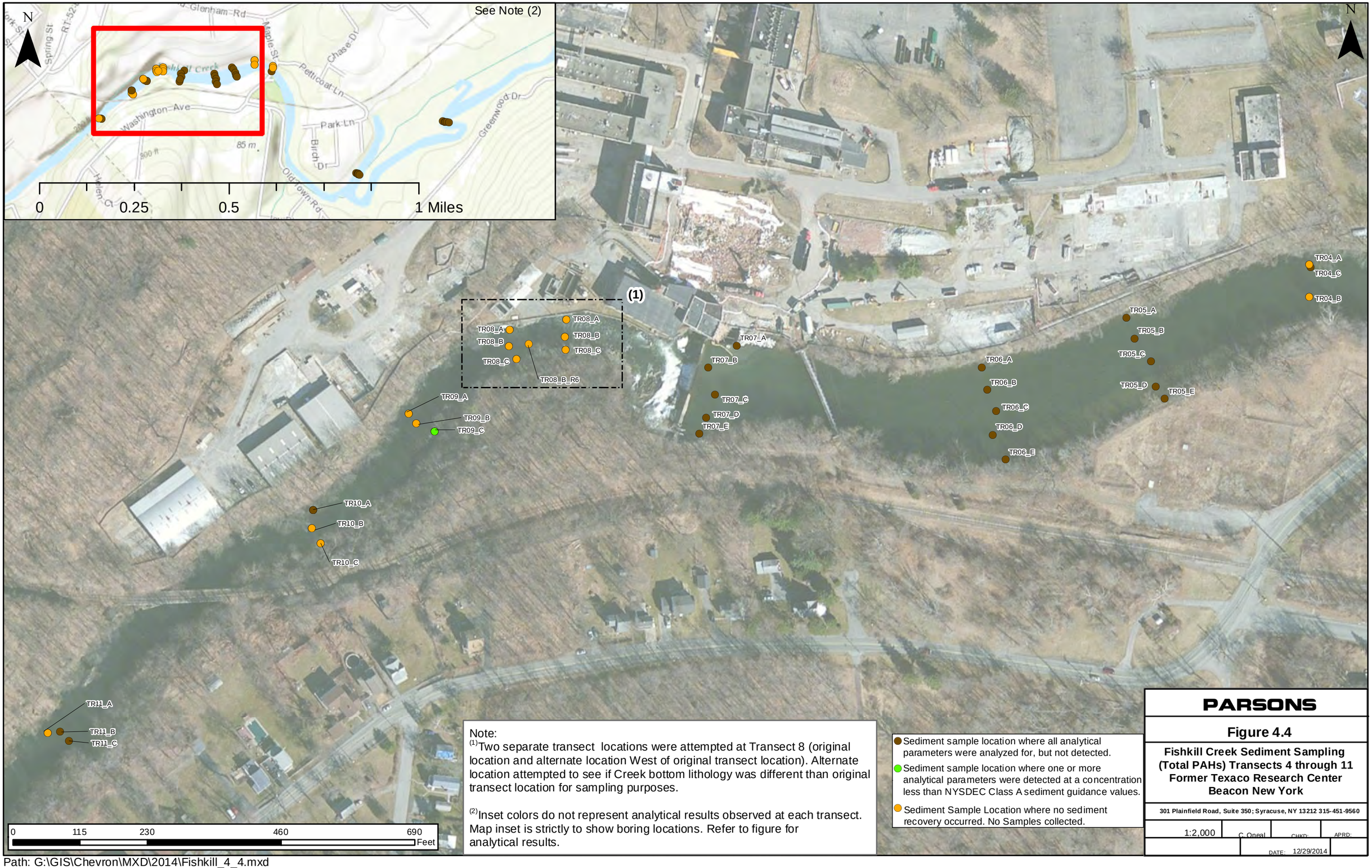
Figure 4.3

Fishkill Creek Sediment Sampling (Total PAHs)Transect 3 Former Texaco Research Center Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/29/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_4_3.mxd



Note:
(1)Two separate transect locations were attempted at Transect 8 (original location and alternate location West of original transect location). Alternate location attempted to see if Creek bottom lithology was different than original transect location for sampling purposes.

(2)Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

- Sediment sample location where all analytical parameters were analyzed for, but not detected.
- Sediment sample location where one or more analytical parameters were detected at a concentration less than NYSDEC Class A sediment guidance values.
- Sediment Sample Location where no sediment recovery occurred. No Samples collected.

PARSONS

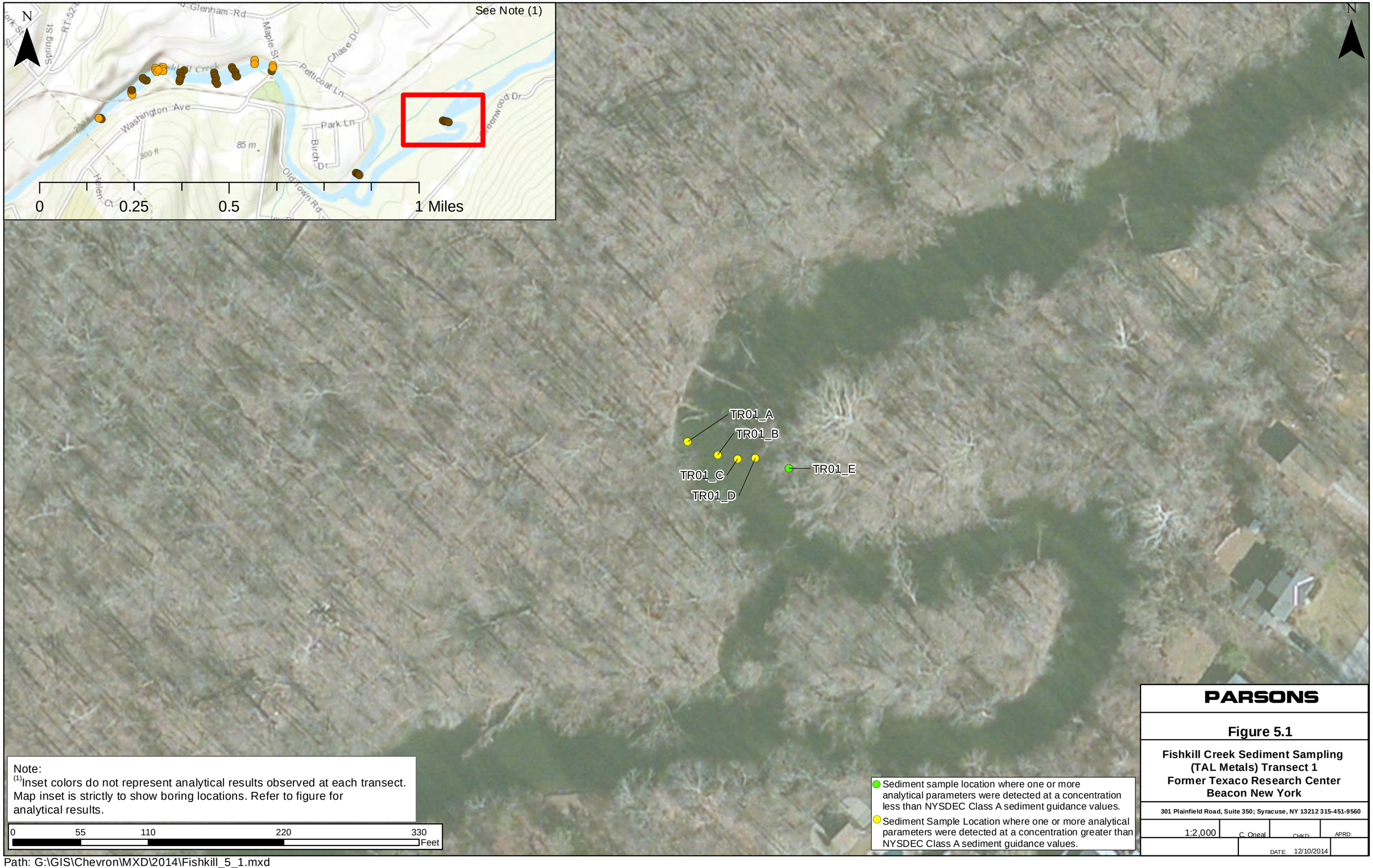
Figure 4.4

Fishkill Creek Sediment Sampling (Total PAHs) Transects 4 through 11
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000 | C. Oneal | CHKD: | APRD: | DATE: 12/29/2014

Path: G:\GIS\Chevron\MXD\2014\Fishkill_4_4.mxd



Note:
(1)Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

- Sediment sample location where one or more analytical parameters were detected at a concentration less than NYSDEC Class A sediment guidance values.
- Sediment Sample Location where one or more analytical parameters were detected at a concentration greater than NYSDEC Class A sediment guidance values.

PARSONS

Figure 5.1

Fishkill Creek Sediment Sampling (TAL Metals) Transect 1
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_5_1.mxd

Note:
(1)Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

- Sediment sample location where one or more analytical parameters were detected at a concentration less than NYSDEC Class A sediment guidance values.
- Sediment Sample Location where one or more analytical parameters were detected at a concentration greater than NYSDEC Class A sediment guidance values.

PARSONS

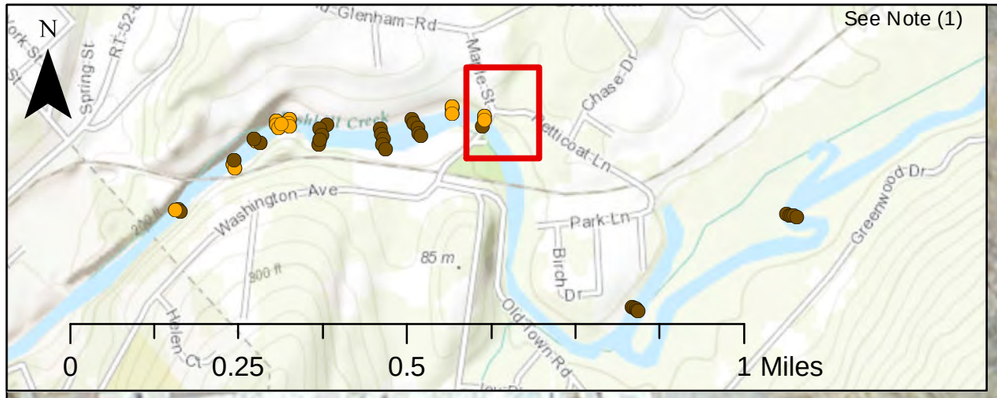
Figure 5.2

Fishkill Creek Sediment Sampling (TAL Metals)Transect 2
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_5_2.mxd



N

TR04_A

TR04_C

TR04_B

TR03_A

TR03_B

TR03_C

TR05_A

TR05_B

TR05_C

TR05_D

TR05_E

(1)Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

Sediment Sample Location where no sediment recovery occurred. No Samples collected.

Sediment Sample Location where one or more analytical parameters were detected at a concentration greater than NYSDEC Class A sediment guidance values.

PARSONS

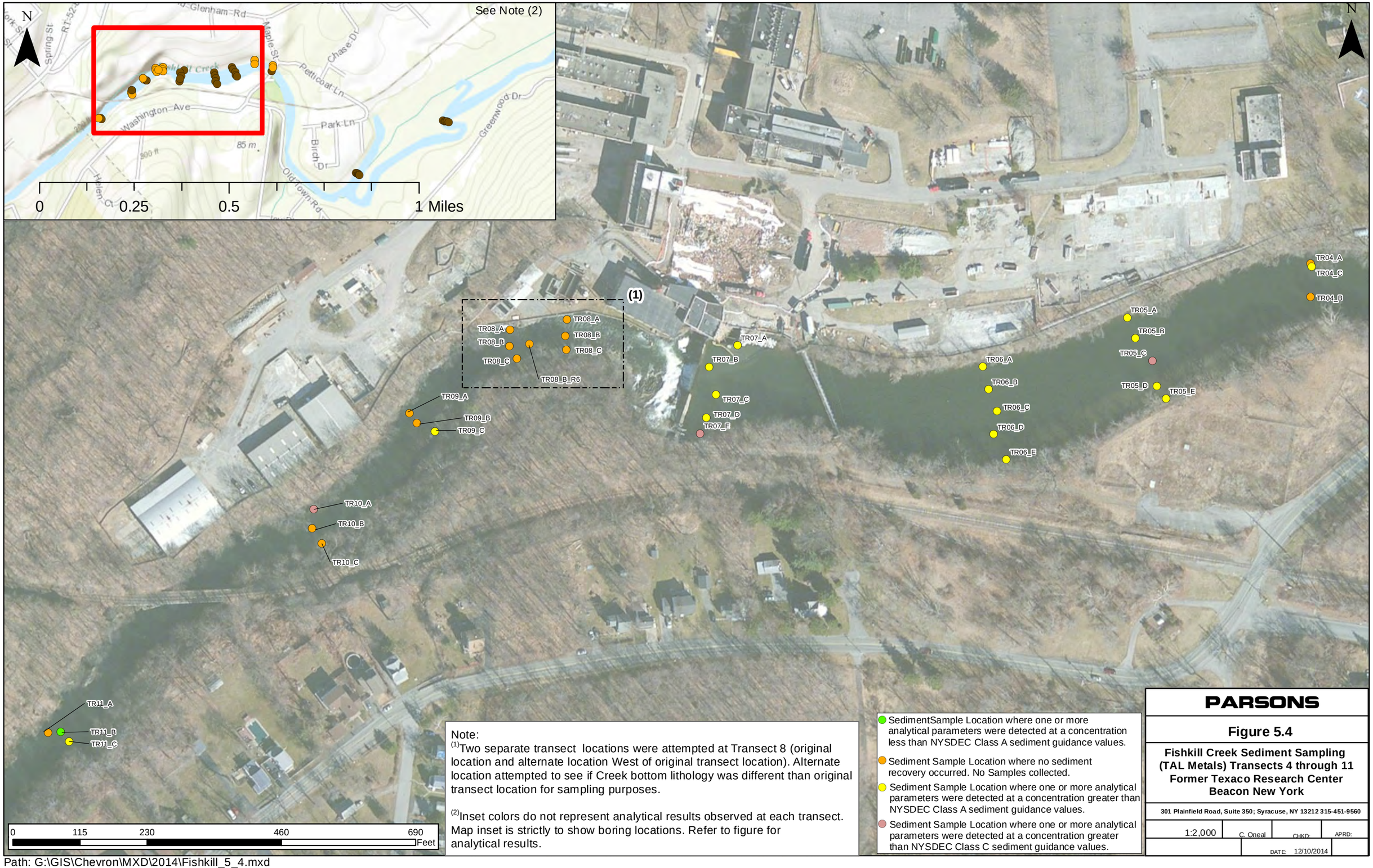
Figure 5.3

Fishkill Creek Sediment Sampling (TAL Metals) Transect 3 Former Texaco Research Center Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_5_3.mxd



Note:
(1)Two separate transect locations were attempted at Transect 8 (original location and alternate location West of original transect location). Alternate location attempted to see if Creek bottom lithology was different than original transect location for sampling purposes.

(2)Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

- SedimentSample Location where one or more analytical parameters were detected at a concentration less than NYSDEC Class A sediment guidance values.
- Sediment Sample Location where no sediment recovery occurred. No Samples collected.
- Sediment Sample Location where one or more analytical parameters were detected at a concentration greater than NYSDEC Class A sediment guidance values.
- Sediment Sample Location where one or more analytical parameters were detected at a concentration greater than NYSDEC Class C sediment guidance values.

PARSONS

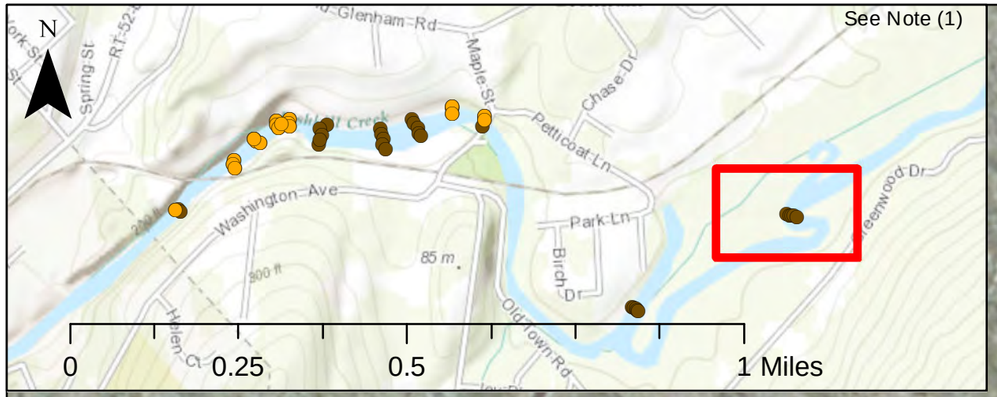
Figure 5.4

Fishkill Creek Sediment Sampling (TAL Metals) Transects 4 through 11 Former Texaco Research Center Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_5_4.mxd



(1) Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

Sediment sample location where all analytical parameters were analyzed for, but not detected.

PARSONS

Figure 6.1

Fishkill Creek Sediment Sampling (PCBs)
Transect 1
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_6_1.mxd

(1) Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

Sediment sample location where all analytical parameters were analyzed for, but not detected.

PARSONS

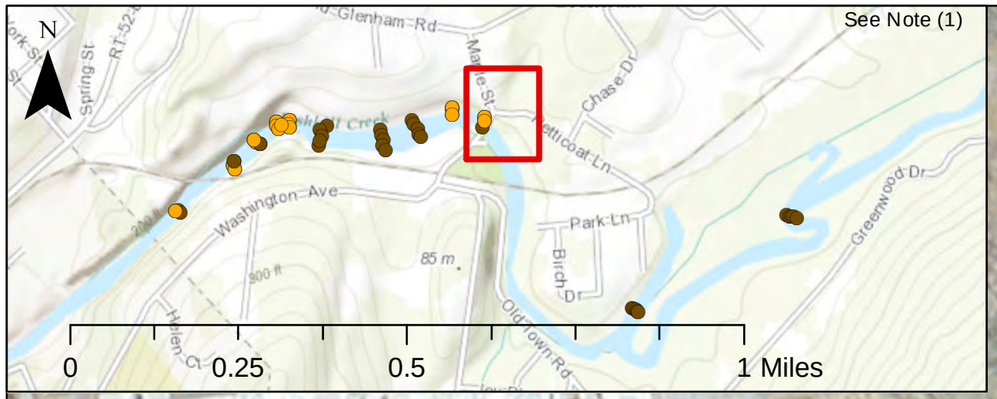
Figure 6.2

Fishkill Creek Sediment Sampling (PCBs)
Transect 2
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_6_2.mxd



TR04_A

TR04_C

TR04_B

TR05_A

TR05_B

TR05_C

TR05_D

TR05_E

TR03_A

TR03_B

TR03_C

N

(1)Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

0 55 110 220 330 Feet

Sediment Sample Location where no sediment recovery occurred. No Samples collected.

Sediment Sample Location where all analytical parameters were analyzed for, but not detected.

PARSONS

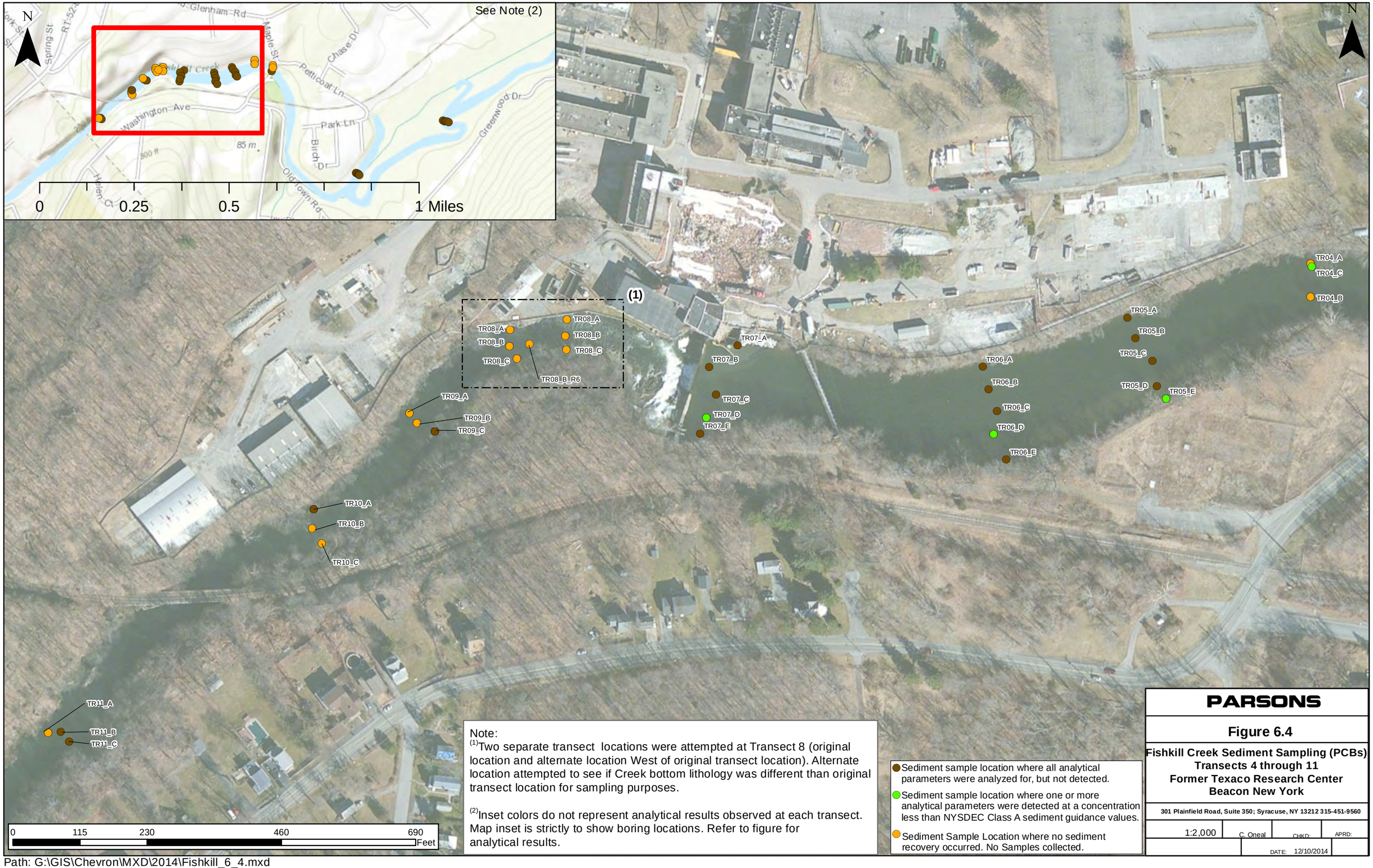
Figure 6.3

Fishkill Creek Sediment Sampling (PCBs)
Transect 3
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_6_3.mxd



Note:
(1)Two separate transect locations were attempted at Transect 8 (original location and alternate location West of original transect location). Alternate location attempted to see if Creek bottom lithology was different than original transect location for sampling purposes.

(2)Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

- Sediment sample location where all analytical parameters were analyzed for, but not detected.
- Sediment sample location where one or more analytical parameters were detected at a concentration less than NYSDEC Class A sediment guidance values.
- Sediment Sample Location where no sediment recovery occurred. No Samples collected.

PARSONS

Figure 6.4

Fishkill Creek Sediment Sampling (PCBs)
Transects 4 through 11
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/10/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_6_4.mxd

(1) Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.
(2) Only metal analytical results are shown because no VOCs or PAHs were detected exceeding NYSDEC Part 703 Water Quality Standard Class C surface water screening criteria

Surface water sample location where one analytical parameter (iron) exceeded NYSDEC Part 703 Water Quality Standard Class C surface water screening criteria.

PARSONS

Figure 7.1

Fishkill Creek Surface Water Sampling (TAL Metals) Transect 1 Former Texaco Research Center Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/29/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_7_1.mxd

[(1)] Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.
[(2)] Only metal analytical results are shown because no VOCs or PAHs were detected exceeding NYSDEC Part 703 Water Quality Standard Class C surface water screening criteria

Surface water sample location where one analytical parameter (mercury) exceeded NYSDEC Part 703 Water Quality Standard Class C surface water screening criteria.

PARSONS

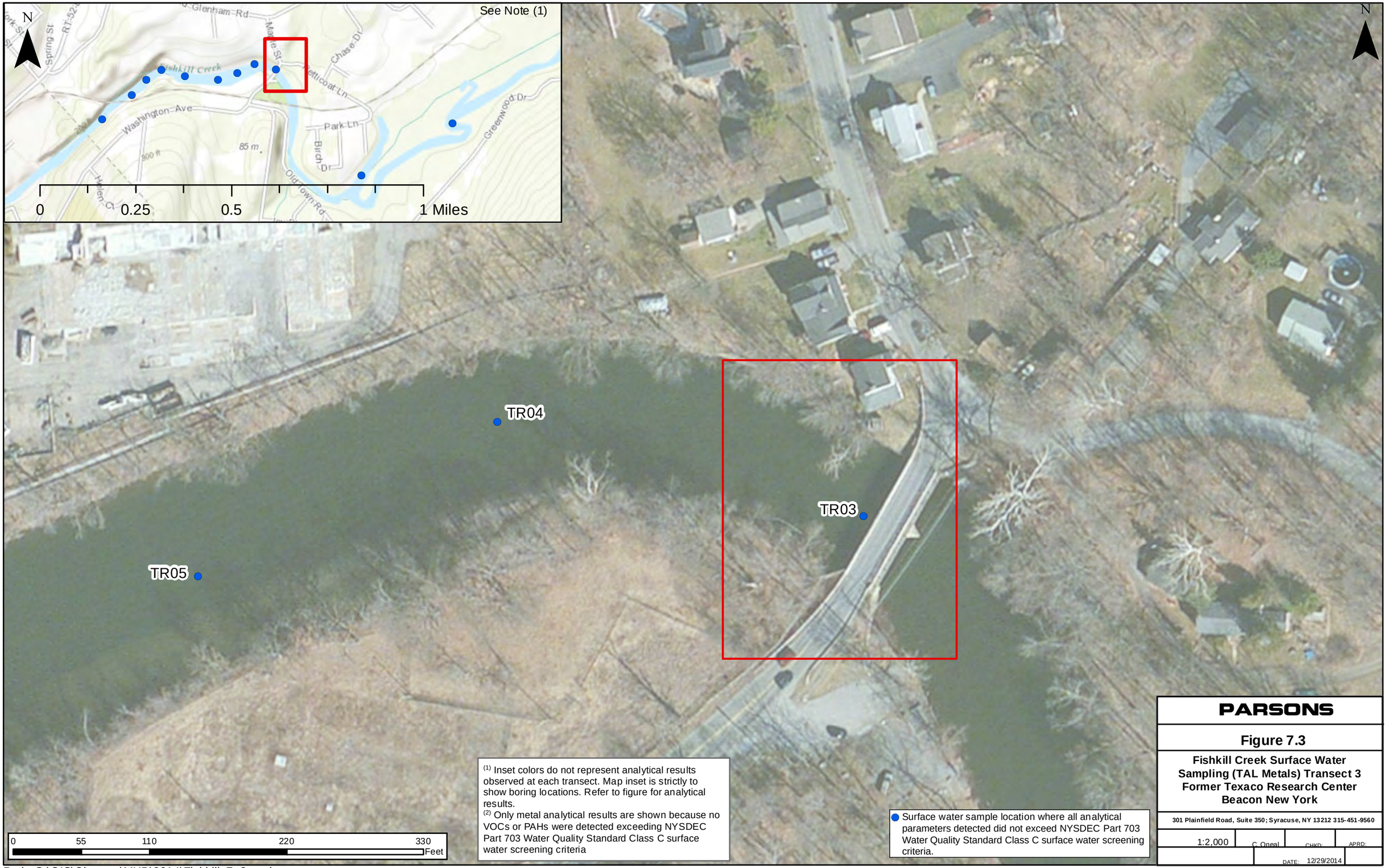
Figure 7.2

Fishkill Creek Surface Water Sampling (TAL Metals) Transect 2
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/29/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_7_2.mxd



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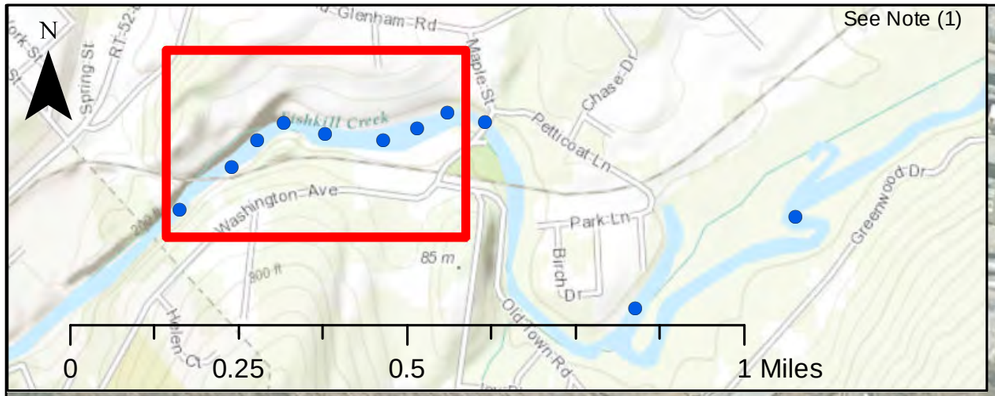

N

TR04

TR05

TR06

TR07

TR08

TR09

TR10

TR11

0 115 230 460 690 Feet

(1) Inset colors do not represent analytical results observed at each transect. Map inset is strictly to show boring locations. Refer to figure for analytical results.

(2) Only metal analytical results are shown because no VOCs or PAHs were detected exceeding NYSDEC Part 703 Water Quality Standard Class C surface water screening criteria

- Surface water sample location where all analytical parameters detected did not exceed NYSDEC Part 703 Water Quality Standard Class C surface water screening criteria.
- Surface water sample location where one analytical parameter (mercury) exceeded NYSDEC Part 703 Water Quality Standard Class C surface water screening criteria.

PARSONS

Figure 7.4

Fishkill Creek Surface Water Sampling (TAL Metals) Transects 4 through 11
Former Texaco Research Center
Beacon New York

301 Plainfield Road, Suite 350; Syracuse, NY 13212 315-451-9560

1:2,000	C. Oneal	CHKD:	APRD:
	DATE: 12/29/2014		

Path: G:\GIS\Chevron\MXD\2014\Fishkill_7_4.mxd

APPENDIX A

DATA USABILITY SUMMARY REPORT (DUSR)

DATA USABILITY SUMMARY REPORT
2014 FISHKILL CREEK SAMPLING

Former Chevron Texaco Research Center
Beacon, New York

Prepared For:

Mr. Mark Hendrickson

Chevron Environmental Management Company
Chevron Bellaire Office Building
4800 Fourance Place, Room E5346
Bellaire, TX 77401

Prepared By:

PARSONS

301 Plainfield Rd, Suite 350
Syracuse, New York 13212
Phone: (315) 451-9560
Fax: (315) 451-9570

DECEMBER 2014

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LIST OF ATTACHMENTS

SECTION 1

DATA USABILITY SUMMARY

Surface water, sediment, and mixed composite soil samples were collected as part of the 2014 sampling event at Fishkill Creek from August 14, 2014 through September 11, 2014. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan
- QAPP,
- July 2005 NYSDEC Analytical Services Protocol (ASP), and
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review.

The analytical laboratory for this project was Eurofins Laboratories (Eurofins) in Lancaster, Pennsylvania. This laboratory is certified to conduct project analyses through the New York State Department of Health (NYSDOH) and the National Environmental Laboratory Accreditation Program (NELAP).

1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 24-62 days for the samples.

The laboratory data packages received from Eurofins were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized in Section 2.

1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, properly preserved, shipped under a COC record, and received at Eurofins within one day of sampling. All samples were received intact and in good condition at Eurofins.

1.3 LABORATORY ANALYTICAL METHODS

The surface water samples were collected from the site and analyzed for volatiles, polynuclear aromatic hydrocarbons (PAHs), total and dissolved metals, total hardness, total suspended solids (TSS), and pH. The sediment samples were collected from the site and analyzed for volatiles, PAHs, polychlorinated biphenyls (PCBs), metals, simultaneously extracted metals (SEM), acid volatile sulfide (AVS), and total organic carbon (TOC). One mixed composite solid sample was collected from the site and analyzed for volatiles, semivolatiles, and PCBs. Summaries of issues concerning these laboratory analyses are

presented in Subsections 1.3.1 through 1.3.5. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed for each analytical method in Section 2 of this Data Usability Summary Report (DUSR). A USEPA Stage 4 data validation (i.e., full data validation) was conducted by Parsons on 10% of the project samples with the remaining 90% of the project samples undergoing a USEPA Stage 2B data validation which provides data defensibility. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given,

"J+" - estimated biased high at the value given,

"J-" - estimated biased low at the value given,

"N" - presumptive evidence at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

The samples collected from the site were analyzed for volatiles using the USEPA SW-846 8260C analytical method. Certain reported results for these samples were qualified as estimated based upon laboratory control sample (LCS) recoveries, instrument calibrations, internal standard responses, and percent moisture content. Certain reported results for these samples were considered unusable and qualified "R" based upon poor internal standard responses. The reported volatile analytical results were 99.0% to 100% complete (i.e., usable) for the data presented by Eurofins. PARCC requirements were met overall.

1.3.2 Semivolatile Organic Analysis

The samples collected from the site were analyzed for PAHs or semivolatiles using the USEPA SW-846 SIM 8270D and 8270D analytical methods. Certain reported results for these samples were qualified as estimated based upon surrogate recoveries, LCS recoveries, field duplicate precision, and percent moisture content. The reported semivolatile analytical results were 100% complete (i.e., usable) for the data presented by Eurofins. PARCC requirements were met.

1.3.3 PCB Organic Analysis

The sediment and mixed composite samples collected from the site were analyzed for PCBs using the USEPA SW-846 8082A analytical method. Certain reported results for these samples were qualified as estimated based upon holding times and percent moisture content. Certain reported results for these samples were considered unusable and qualified "R" based upon grossly exceeded holding times. The reported PCB analytical results were 97.3% to 100%

complete (i.e., usable) for the data presented by Eurofins. PARCC requirements were met overall.

1.3.4 Metals Analysis

The surface water and sediment samples collected from the site were analyzed for metals or SEM using the USEPA SW-846 6010C/6020A/7471B and USEPA 1631E analytical methods. Certain reported results for these samples were qualified as estimated based upon matrix spike/matrix spike duplicate (MS/MSD) recoveries, LCS recoveries, instrument calibrations, serial dilutions, laboratory duplicate precision, field duplicate precision, and percent moisture content. Certain reported results for these samples were considered unusable and qualified "R" based upon poor MS/MSD recoveries and instrument calibrations. The metals results were considered 99.9% to 100% complete (i.e., usable) for the data presented by Eurofins. PARCC requirements were met overall.

1.3.5 Wet Chemistry Analysis

Surface water samples collected from the site were analyzed for total hardness using the SM2340C analytical method; TSS using the SM2540D analytical method; and pH using the SM4500 analytical method. Sediment samples collected from the site were analyzed for AVS using the USEPA 821-R-91-100 analytical method and TOC using the USEPA approved Lloyd Kahn method. Certain reported results for these samples were qualified as estimated based upon MS/MSD recoveries, laboratory duplicate precision, field duplicate precision, and percent moisture content. The wet chemistry results were considered 100% complete (i.e., usable) for the data presented by Eurofins. PARCC requirements were met.

SECTION 2

DATA VALIDATION REPORT

2.1 SURFACE WATER SAMPLES

Data review has been completed for data packages generated by Eurofins containing surface water samples collected from the site. These samples were contained within sample delivery groups (SDGs) CBC51, CBC52, CBC54, CBC62, and CBC65. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data were tabulated and are presented in Attachment A-1.

Data validation was performed for all samples in accordance with the project work plan, QAPP, NYSDEC ASP, and the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type.

2.1.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and trip/equipment blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of continuing calibrations as discussed below.

Continuing Calibrations

All continuing calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a maximum percent difference (%D) within ±20% with the exception of vinyl chloride (22%D) in the continuing calibration associated with samples in SDG CBC54; and 2-hexanone (63%D), 2-butanone (41%D), and 4-methyl-2-pentanone (57%D) associated with samples in SDG CBC65. Therefore, results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Usability

All volatile results for the surface water samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The volatile data presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-1.

2.1.2 PAHs

The following items were reviewed for compliancy in the PAHs analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy and LCS recoveries as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of all MSD accuracy and precision results during the spiked analyses of sample CVX-0012-01. Validation qualification was not required.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recoveries for naphthalene (59%R; QC limit 78-117%R), acenaphthylene (63%R; QC limit 72-124%R), acenaphthene (62%R; QC limit 82-126%R), fluorene (66%R; QC limit 74-115%R), anthracene (63%R; QC limit 70-117%R), fluoranthene (72%R; QC limit 76-121%R), pyrene (69%R; QC limit 70-124%R), and chrysene (72%R; QC limit 77-122%R) associated with samples in SDG CBC62; and the low LCS recovery for naphthalene (77%R; QC limit 78-117%R) associated with samples in SDG CBC65. Therefore, results for these compounds were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples.

Usability

All PAH results for the surface water samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The PAH data presented by Eurofins were 100% complete (i.e., usable). The validated PAH laboratory data are tabulated and presented in Attachment A-1.

2.1.3 Total and Dissolved Metals

The following items were reviewed for compliancy in the metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, laboratory preparation blank, and equipment blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision

- Laboratory control sample (LCS) recoveries
- Serial dilutions
- Interference check sample recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination and serial dilutions as discussed below.

Blank Contamination

The equipment blank CVX-0012-04 associated with samples in SDG CBC62 contained total zinc, dissolved magnesium, dissolved sodium, and dissolved mercury at concentrations of 2.5 µg/L, 8.5 µg/L, 60.8 µg/L, and 1.24 ng/L, respectively; the laboratory preparation blank associated with samples in SDG CBC62 contained dissolved calcium and dissolved lead at concentrations of 110.1 and 0.099 µg/L, respectively. Validation qualification of the associated project samples was not required.

Serial Dilutions

All serial dilution results were considered acceptable and less than 10%D for all analytes with the exception of the serial dilution result for total sodium (15%D) associated with sample CVX-0015-02. Therefore, the total sodium result for this sample was considered estimated and qualified "J".

Usability

All metals results for the surface water samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The metals data for the surface water samples presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-1.

2.1.4 Wet Chemistry

The following items were reviewed for compliancy in the wet chemistry analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications

- Initial and continuing calibration blank, laboratory preparation blank, and equipment blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of blank contamination as discussed below.

Blank Contamination

The field equipment blank CVX-0012-04 associated with samples in SDG CBC62 contained total hardness at a concentration of 5900 µg/L. Validation qualification of the project samples was not required since sample concentrations were not affected by the contamination present in this blank.

Usability

All wet chemistry results for the surface water samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The wet chemistry data for the surface water samples presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-1.

2.2 SEDIMENT SAMPLES

Data review has been completed for data packages generated by Eurofins containing sediment samples collected from the site. These samples were contained within sample delivery groups (SDGs) CBC50, CBC53, CBC55, CBC56, CBC57, CBC58, CBC60, CBC61, CBC63, and CBC64. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data were tabulated and are presented in Attachment A-2.

Data validation was performed for all samples in accordance with the project work plan, QAPP, NYSDEC ASP, and the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type.

2.2.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, continuing calibrations, and internal standard responses as discussed below.

MS/MSD Precision and Accuracy

All precision (RPD) and accuracy (%R) measurements were considered acceptable and within QC limits for the spiked analyses of designated project samples with the exception of the high MS accuracy result for methylene chloride during the spiked analyses of sample CVX-0004-11; the precision results for chloromethane, carbon disulfide, 2-butanone, 2-hexanone, and 1,1,2,2-tetrachloroethane during the spiked analyses of sample CVX-0009-09; the low MS/MSD accuracy results for styrene during the spiked analyses of sample CVX-0010-17; and the precision result for chloroethane during the spiked analyses of sample CVX-0014-04. Validation qualification of the parent sample was not required.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recovery for 2-butanone (60%R; QC limit 62-123%R) associated with samples CVX-0005-06, -10, and CVX-0007-05. Therefore, results for 2-butanone were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a maximum percent difference (%D) within ±20% with the exception of bromoform (27%D) in the continuing calibration associated with samples CVX-0009-12, -13, -14, and -18; and 1,2-dichloroethane (-23%D) associated with samples in SDGs CBC63 and CBC64. Therefore, results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Internal Standard Responses

All internal standard (IS) responses and retention times were within specified QC ranges based on associated calibration standards (i.e., sample's area count within -50% to +100% and retention times within ±0.5 minutes of the standard) with the exception of the low IS response for chlorobenzene-d5 in samples CVX-0001-02 and CVX-0007-01; the low IS response for 1,4-dichlorobenzene-d4 in samples CVX-0001-02, CVX-0005-01, -04, -07, -08, -09, CVX-0007-01, -02, -03, -04, -05, CVX-0009-02, -03, -11, 16, CVX-0010-08, -09, -10, -16, CVX-0011-10, and -12, ; and the low IS response for t-butyl alcohol-d10 in samples CVX-0005-07, CVX-0007-01, and -04. These samples were reanalyzed yielding similar internal standard responses and confirming the presence of matrix effects in these samples. Therefore, positive results associated with these ISs were considered estimated, possibly biased high, and qualified "J+" while nondetected results were considered unusable and qualified "R" for the affected samples.

Usability

All volatile results for the sediment samples were considered usable following data validation with the exception of certain nondetected results based upon poor internal standard responses.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The volatile data presented by Eurofins were 99.9% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-2.

It was noted that sample CVX-0011-10 contained less than 30% solids. Therefore, results for this sample were considered estimated with positive results qualified "J" and nondetected results qualified "UJ".

2.2.2 PAHs

The following items were reviewed for compliancy in the PAHs analysis:

- Custody documentation
- Holding times

- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, and field duplicate precision as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the low recoveries for the surrogates fluoranthene-d10 (QC limit 70-130%R) and benzo(a)pyrene-d12 (QC limit 70-130%R) in samples CVX-0001-01 (65%R, 57%R), CVX-0004-02 (66%R, 58%R), CVX-0005-07 (66%R, 69%R), -08 (56%R, 59%R), CVX-0008-02 (46%R, 42%R), CVX-0010-08 (54%R, 52%R), -10 (48%R, 42%R), CVX-0011-01 (42%R, 37%R), and -10 (47%R, 46%R); the low recovery for surrogate benzo(a)pyrene-d12 (QC limit 70-130%R) in samples CVX-0010-11 (51%R), -16 (53%R), CVX-0013-02 (52%R), -04 (52%R), and -05 (50%R); and the low recovery for the surrogate 1-methylnaphthalene-d10 (QC limit 65-103%R) in samples CVX-0008-02 (62%R), CVX-0010-10 (61%R), CVX-0011-01 (52%R), -10 (59%R), and -11 (61%R). Therefore, associated sample results were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MS/MSD accuracy results for fluoranthene, pyrene, and chrysene during the spiked analyses of sample CVX-0004-11; the high MSD accuracy results for fluoranthene, chrysene, pyrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, and benzo(e)pyrene and precision results for fluoranthene, pyrene, and benzo(k)fluoranthene during the spiked analyses of sample CVX-0005-01; the MSD accuracy results for phenanthrene, anthracene, fluoranthene, and pyrene

during the spiked analyses of sample CVX-0007-01; the many MS/MSD accuracy and precision outliers during the spiked analyses of sample CVX-0008-04; the high MS/MSD accuracy results for perylene and anthracene during the spiked analyses of sample CVX-0009-09; the many low MS/MSD accuracy results during the spiked analyses of sample CVX-0010-17; the many MS accuracy results during the spiked analyses of sample CVX-0011-07; and the many MS/MSD precision and accuracy results during the spiked analyses of samples CVX-0013-02 and CVX-0014-04. Validation qualification was not required.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recovery for fluoranthene (77%R; QC limit 78-120%R) associated with samples in SDG CBC55; and the high LCS recovery for dibenz(a,h)anthracene (100%R; QC limit 75-97%R) associated with samples in SDG CBC56. Therefore, results for those compounds where LCS recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples. Positive results for those compounds where LCS recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision results for phenanthrene (71%RPD) and C2-phenanthrenes/anthracenes (71%RPD) associated with the field duplicate pair CVX-0007-04 and -05; the precision for C1-naphthalenes (67%RPD) and C1-phenanthrenes/anthracenes (0.079 mg/kg, nondetect) associated with the field duplicate pair CVX-0009-03 and -04; the precision for acenaphthylene (111%RPD), anthracene (75%RPD), benzo(a)anthracene (56%RPD), benzo(k)fluoranthene (52%RPD), C1-benzanthrene/chrysenes (64%RPD), C1-fluoranthenes/pyrenes (55%RPD), C1-phenanthrenes/anthracenes (82%RPD), C2-benzanthrene/chrysenes (67%RPD), C2-fluorenes (nondetect, 0.005 mg/kg) associated with the field duplicate pair CVX-0011-12 and -13; and the precision for acenaphthene (124%RPD), anthracene (111%RPD), benzo(a)anthracene (75%RPD), benzo(a)pyrene (70%RPD), benzo(b)fluoranthene (101%RPD), benzo(e)pyrene (74%RPD), benzo(g,h,i)perylene (77%RPD), benzo(k)fluoranthene (66%RPD), C1-benzanthrene/chrysenes (59%RPD), C1-fluoranthrenes/pyrenes (63%RPD), C1-phenanthrenes/anthracenes (60%RPD), chrysene (77%RPD), dibenz(a,h)anthracene (72%RPD), fluorene (106%RPD), indeno(1,2,3-cd)pyrene (75%RPD), naphthalene (83%RPD), perylene (78%RPD), phenanthrene (81%RPD), and pyrene (74%RPD) associated with the field duplicate pair CVX-0013-04 and -05. Therefore, results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected parent sample and field duplicate.

Usability

All PAH results for the sediment samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The PAH data presented by Eurofins were 100% complete (i.e., usable). The validated PAH laboratory data are tabulated and presented in Attachment A-2.

It was noted that sample CVX-0011-10 contained less than 30% solids. Therefore, results for this sample were considered estimated with positive results qualified "J" and nondetected results qualified "UJ".

2.2.3 PCBs

The following items were reviewed for compliancy in the PCB analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times and surrogate recoveries as discussed below.

Holding Times

All samples contained in SDGs CBC53 and CBC55 exceeded the 14-day holding time requirement by 37 to 38 days. Results for these samples were considered estimated with positive results qualified "J" and nondetected results qualified "UJ". The field equipment blank sample CVX-0005-02 grossly exceeded the 7-day extraction holding time requirement by 46 days. The nondetected results for this sample were considered unusable and qualified "R".

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC acceptance limits with the exception of the high decachlorobiphenyl recovery (QC limit 48-151%R) in PCB sample CVX-0013-01 (254%R). Validation qualification of this sample was not required.

Usability

All PCB results for the sediment samples were considered usable following data validation with the exception of certain nondetected results based upon grossly exceeded holding times.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The PCB sediment data presented by Eurofins were 97.3% complete (i.e., usable). The validated data are tabulated and presented in Attachment A-2.

It was noted that sample CVX-0011-10 contained less than 30% solids. Therefore, results for this sample were considered estimated with positive results qualified "J" and nondetected results qualified "UJ".

2.2.4 Metals and SEM

The following items were reviewed for compliancy in the metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, and laboratory preparation blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Serial dilutions
- Interference check sample recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of calibrations, blank contamination, MS/MSD recoveries, laboratory duplicate precision, LCS recoveries, serial dilutions, and field duplicate precision as discussed below.

Calibrations

All initial and continuing calibration verifications were considered acceptable with recoveries within QC limits and analyzed at the appropriate frequency. All calibration reference standard recoveries were acceptable and within the 70-130%R QC limit with the exception of calcium (68.9%R) associated with sample CVX-0001-02; SEM zinc (153%R) associated with SEM samples CVX-0009-16, -17, -18, and -19; SEM zinc (-1%R, -0.9%R) associated with SEM samples CVX-0009-11 and -12; and sodium (140.9%R) associated with samples CVX-0009-01 and -02. Therefore, positive results for those analytes where standard recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J+" for the affected samples. Results for those analytes where standard recoveries fell below the QC limit were estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples. Nondetected results for those analytes where standard recoveries fell below 10% were considered unusable and qualified "R" for the affected samples.

Blank Contamination

The laboratory preparation blank associated with samples in SDG CBC50 contained aluminum, lead, SEM nickel, and SEM zinc at concentrations of 8.788, 0.014, 0.041, and 1.142 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG CBC53 contained aluminum, lead, potassium, sodium, zinc, and mercury at concentrations of 6.92, 0.041, 16.338, 22.94, 0.66, 0.012 mg/kg, respectively; the laboratory preparation blank associated with SEM samples CVX-0004-01 through -12 and -17 contained SEM zinc and SEM nickel at concentrations of 1.142 and 0.041 mg/kg, respectively; the laboratory preparation blank associated with SEM samples CVX-0004-13. -14, -15, -16, and -18 contained SEM copper and SEM zinc at concentrations of 0.234 and 0.839 mg/kg, respectively; the laboratory preparation blank associated with samples in SDGs CBC55 and CBC56 contained aluminum, calcium, lead, SEM copper, and SEM zinc at concentrations of 10.174, 27.64, 0.013, 0.234, and 0.839 mg/kg, respectively; the equipment blank CVX-0005-02 associated with samples in SDG CBC55 contained aluminum, barium, calcium, magnesium, and sodium at concentrations of 13.5, 0.8, 79.7, 22, and 227 µg/L, respectively; the laboratory preparation blank associated with samples in SDG CBC57 contained SEM zinc, SEM copper, and aluminum at concentrations of 0.839, 0.234, and 4.714 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG CBC58 contained SEM zinc, aluminum, calcium, potassium, zinc, and mercury at concentrations of 0.272, 7.534, 18.794, 11.06, 2.2, and 0.012 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG CBC60 contained SEM cadmium, SEM zinc, aluminum, and sodium at concentrations of 0.012, 0.274, 6.38, and 21.44 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG CBC61 contained SEM zinc, aluminum, calcium, and lead at concentrations of 0.126, 9.888, 19.926, and 0.015 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG CBC63 contained SEM zinc, aluminum, calcium, lead, and zinc at concentrations of 0.335, 7.36, 17.758, 0.016, and 1.289 mg/kg, respectively; and the laboratory preparation blank associated with samples in SDG CBC64 contained SEM zinc, aluminum, and calcium at concentrations of 0.335, 4.747, and 27.675 mg/kg, respectively. Therefore, results for these analytes less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within the 75-125%R QC limit with the exception of the many high MSD recoveries associated with sample CVX-0001-01; SEM lead (63%R, 72%R) associated with SEM sample CVX-0004-17; SEM copper (31%R, 29%R), SEM silver (8%R, 8%R), and SEM zinc (135%R) associated with SEM sample CVX-0004-11; many high MSD recoveries associated with sample CVX-0004-11; antimony (51%R, 67%R), arsenic (131%R), chromium (36%R), iron (61%R), nickel (71%R, -11%R), vanadium (39%R), SEM copper (52%R, -18%R), SEM lead (72%R, 149%R), SEM silver (7%R, 0%R), and SEM zinc (134%R) associated with sample CVX-0008-04; antimony (40%R, 31%R), arsenic (17%R), beryllium (71%R), copper (69%R, 35%R), lead (68%R), nickel (54%R), vanadium (49%R), SEM copper (7%R, 11%R), SEM lead (61%R, 62%R), and SEM silver (28%R, 30%R) associated with sample CVX-0009-09; arsenic (136%R), calcium (53%R, 46%R), copper (128%R, 129%R), nickel (137%R), SEM copper (5%R, -18%R), SEM lead (55%R, 50%R), and SEM silver (14%R, 10%R) associated with sample CVX-0010-17; antimony (34%R, 39%R), calcium (68%R), chromium (66%R), lead (50%R), nickel (74%R), vanadium (130%R), and SEM lead (71%R) associated with sample CVX-0011-07; antimony (73%R), arsenic (51%R), chromium (60%R), and copper (51%R) and the many high MSD recoveries associated with sample CVX-0013-01; and antimony (62%R, 64%R), cobalt (187%R), lead (341%R), mercury (207%R), SEM copper (68%R, 53%R), and SEM lead (162%R) associated with sample CVX-0014-04. Therefore, results for those analytes where matrix spike recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples. Nondetected results for those analytes where matrix spike recoveries fell below 10% were considered unusable and qualified "R" for the affected samples. Positive results for those analytes where matrix spike recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and less than 20%RPD for all analytes with the exception of calcium (97%RPD), potassium (30%RPD), and magnesium (58%RPD) associated with sample CVX-0001-01; lead (39%RPD) associated with sample CVX-0004-11; zinc (27%RPD) associated with sample CVX-0008-04; arsenic (35%RPD), barium (26%RPD), copper (21%RPD), magnesium (27%RPD), potassium (47%RPD), and vanadium (27%RPD) associated with sample CVX-0009-09; calcium (30%RPD) and SEM copper (22%RPD) associated with sample CVX-0010-17; barium (63%RPD), cobalt (26%RPD), magnesium (28%RPD), and manganese (42%RPD) associated with sample CVX-0011-07; calcium (61%RPD), chromium (97%RPD), copper (31%RPD), lead (60%RPD), magnesium (45%RPD), nickel (61%RPD), and zinc (22%RPD) associated with sample CVX-0013-01; and barium (22%RPD), calcium (107%RPD), chromium (30%RPD), cobalt (26%RPD), magnesium (34%RPD), potassium (22%RPD), sodium (105%RPD), vanadium (21%RPD), SEM copper (45%RPD), and SEM zinc (83%RPD) associated with sample CVX-0014-04. Therefore, results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within the 85-115%R QC limit with the exception of SEM lead (126%R) and SEM zinc (124%R) associated with SEM samples in SDGs CBC50 and CBC53. Therefore, positive results for these analytes were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Serial Dilutions

All serial dilution results were considered acceptable and less than 10%D for all analytes with the exception of the serial dilution result for magnesium (13%D), potassium (17%D), chromium (32%D), and arsenic (15%D) associated with sample CVX-0001-01; SEM lead (24%D) and SEM zinc (70%D) associated with SEM sample CVX-0004-11; aluminum (13%D) and zinc (17%D) associated with sample CVX-0008-04; SEM lead (15%D) and vanadium (12%D) associated with sample CVX-0010-17; chromium (13%D), potassium (15%D), and vanadium (12%D) associated with sample CVX-0011-07; calcium (12%D), copper (12%D), iron (12%D), magnesium (15%D), and nickel (13%D) associated with sample CVX-0013-01; and barium (13%D), cobalt (14%D), nickel (13%D), and zinc (13%D) associated with sample CVX-0014-04. Therefore, positive results for these analytes were considered estimated and qualified "J" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of potassium (73%RPD) associated with the field duplicate pair CVX-0004-06 and -07; sodium (89%RPD) associated with the field duplicate pair CVX-0007-04 and -05; copper (57.4%RPD) associated with the field duplicate pair CVX-0009-03 and -04; SEM lead (58%RPD) associated with the field duplicate pair CVX-0011-12 and -13; and SEM nickel associated with the field duplicate pair CVX-0013-04 and -05. Therefore, results for these analytes were considered estimated and qualified "J" for the affected parent sample and its field duplicate.

Usability

All metals results for the surface water samples were considered usable following data validation with the exception of certain nondetected results based upon poor calibration recoveries and MS/MSD recoveries.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The metals data for the sediment samples presented by Eurofins were 99.9% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-2.

It was noted that sample CVX-0011-10 contained less than 30% solids. Therefore, results for this sample were considered estimated with positive results qualified "J" and nondetected results qualified "UJ".

2.2.5 Wet Chemistry

The following items were reviewed for compliancy in the wet chemistry analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, and laboratory preparation blank contamination
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries
- Laboratory duplicate precision
- Laboratory control sample (LCS) recoveries
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD recoveries, laboratory duplicate precision, and field duplicate precision as discussed below.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within QC limits with the exception of the recoveries for TOC (128%R; QC limit 59-125%R) associated with CVX-0004-14; and AVS (32%R; QC limit 37-119%R) associated with sample CVX-0004-17. Therefore, results for those analytes where matrix spike recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected parent sample. The positive results for those analytes where matrix spike recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J+" for the affected parent sample.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and within QC limits with the exception of the precision for AVS (45%RPD, 50%RPD, 22%RPD; QC limit 0-20%RPD) associated with samples CVX-0004-11, CVX-0010-17, and CVX-001404; and TOC (23%RPD; QC limit 0-20%RPD) associated with sample CVX-0007-01. Therefore, results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for TOC (79%RPD) associated with the field duplicate pair CVX-0007-04 and -05; and TOC (96%RPD) associated with the field duplicate pair CVX-0011-12 and -13. Therefore, the TOC results were considered estimated and qualified "J" for the affected parent sample and field duplicate.

Usability

All wet chemistry results for the sediment samples were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The wet chemistry data for the sediment samples presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-2.

It was noted that sample CVX-0011-10 contained less than 30% solids. Therefore, results for this sample were considered estimated with positive results qualified "J" and nondetected results qualified "UJ".

2.3 MIXED COMPOSITE SAMPLE

Data review has been completed for data packages generated by Eurofins containing one mixed composite solid sample collected from the site. This sample was contained within sample delivery group (SDG) CBC59. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data were tabulated and are presented in Attachment A-3.

Data validation was performed for all samples in accordance with the project work plan, QAPP, NYSDEC ASP, and the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type.

2.3.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries

- Laboratory method blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All volatile results for the mixed composite sample were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The volatile data presented by Eurofins were 100% complete (i.e., usable). The validated laboratory data are tabulated and presented in Attachment A-3.

2.3.2 Semivolatiles

The following items were reviewed for compliancy in the semivolatiles analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- GC/MS instrument performance
- Sample result verification and identification
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All semivolatile results for the mixed composite sample was considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The semivolatile data presented by Eurofins were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-3.

2.3.3 PCBs

The following items were reviewed for compliancy in the PCB analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank contamination
- Initial calibrations
- Verification calibrations
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All PCB results for the mixed composite solid sample were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The PCB data presented by Eurofins were 100% complete with all data considered usable and valid. The validated data are tabulated and presented in Attachment A-3.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY SURFACE WATER DATA

			Location	TR01		TR02		TR03		TR04		TR05	
			Field Sample ID	CVX-0003-01		CVX-0002-01		CVX-0006-01		CVX-0006-02		CVX-0006-04	
			Sample Date	8/15/2014		8/14/2014		8/20/2014		8/20/2014		8/20/2014	
			Sample Delivery Group	1496618		1496388		1497595		1497595		1497595	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER	
Analytical Method	Parameter Name	Units	Filtered										
SM 2340 C-1997	Total Hardness as CaCO3	mgCaCO3/L	N	124		154		199		191		185	
SM 2540 D-1997	Total Suspended Solids	mg/l	N	7		7.8		2.7	J	2.3	J	1.9	J
SM 4500-H+ B-2000	pH - Hydrogen Ion	SU	N	8		7.7		7.8		7.9		8	
SW-846 6020A	Aluminum	mg/l	N	0.192	J	0.131	J	0.0797	J	0.0566	J	0.0666	J
SW-846 6020A	Aluminum	mg/l	Y	0.0088	J	0.0082	U	0.0098	J	0.011	J	0.0103	J
SW-846 6020A	Antimony	mg/l	N	0.00033	U	0.00033	U	0.00033	U	0.00033	U	0.00033	U
SW-846 6020A	Antimony	mg/l	Y	0.00033	U	0.00033	U	0.00033	U	0.00033	U	0.00033	U
SW-846 6020A	Arsenic	mg/l	N	0.00082	U	0.00082	U	0.00082	U	0.00082	U	0.00082	U
SW-846 6020A	Arsenic	mg/l	Y	0.00082	U	0.00082	U	0.00082	U	0.00082	U	0.00082	U
SW-846 6020A	Barium	mg/l	N	0.0133		0.0165		0.0158		0.0147		0.0165	
SW-846 6020A	Barium	mg/l	Y	0.0126		0.0139		0.0146		0.0154		0.0147	
SW-846 6020A	Beryllium	mg/l	N	4.50E-05	U	4.50E-05	U	4.50E-05	U	4.50E-05	U	4.50E-05	U
SW-846 6020A	Beryllium	mg/l	Y	0.000045	U	0.000045	U	0.000045	U	0.000045	U	0.000045	U
SW-846 6020A	Cadmium	mg/l	N	0.00017	U	0.00017	U	0.00017	U	0.00017	U	0.00017	U
SW-846 6020A	Cadmium	mg/l	Y	0.00017	U	0.00017	U	0.00017	U	0.00017	U	0.00017	U
SW-846 6020A	Calcium	mg/l	N	34.1		39.1		45.8		47.3		43.8	
SW-846 6020A	Calcium	mg/l	Y	33.4		38		46.9		45.6		44.4	
SW-846 6020A	Chromium	mg/l	N	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
SW-846 6020A	Chromium	mg/l	Y	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
SW-846 6020A	Cobalt	mg/l	N	0.0002	J	0.00012	J	0.0001	U	0.00013	J	0.0001	U
SW-846 6020A	Cobalt	mg/l	Y	0.0001	U	0.0001	U	0.0001	U	0.0001	U	0.0001	U
SW-846 6020A	Copper	mg/l	N	0.0018	J	0.0014	J	0.0018	J	0.0015	J	0.0018	J
SW-846 6020A	Copper	mg/l	Y	0.0014	J	0.0013	J	0.0017	J	0.0022	J	0.0022	J
SW-846 6020A	IRON	mg/l	N	0.35		0.251		0.159	J	0.145	J	0.134	J
SW-846 6020A	IRON	mg/l	Y	0.035	J	0.0181	J	0.0275	J	0.0318	J	0.0304	J
SW-846 6020A	Lead	mg/l	N	4.10E-04	J	3.30E-04	J	2.60E-04	J	1.80E-04	J	1.90E-04	J
SW-846 6020A	Lead	mg/l	Y	0.000082	U	0.000082	U	0.000082	U	0.00014	J	0.000082	U
SW-846 6020A	Magnesium	mg/l	N	10		11.4		13.6		13.1		13.5	
SW-846 6020A	Magnesium	mg/l	Y	9.91		10.9		13.6		14.5		13.6	
SW-846 6020A	Manganese	mg/l	N	0.0595		0.108		0.0621		0.061		0.0647	
SW-846 6020A	Manganese	mg/l	Y	0.0268		0.0749		0.051		0.0561		0.0567	
SW-846 6010C	Manganese	mg/l	N										
SW-846 6010C	Manganese	mg/l	Y										
SW-846 7470A	Mercury	mg/l	N										
EPA 1631 Revision E	Mercury	mg/l	N	0.0000028	U	0.0000028	U	0.0000028	U	0.0000028	U	0.0000028	U
EPA 1631 Revision E	Mercury	mg/l	Y	0.0000028	U	0.000004	J	0.0000028	U	0.0000028	U	0.0000028	U
SW-846 6020A	Nickel	mg/l	N	0.001	J	0.0012	J	0.0012	J	0.0012	J	0.0012	J
SW-846 6020A	Nickel	mg/l	Y	0.00079	U	0.0013	J	0.0011	J	0.0013	J	0.0015	J
SW-846 6020A	Potassium	mg/l	N	1.75		1.56		1.56		1.48		1.55	
SW-846 6020A	Potassium	mg/l	Y	1.66		1.48		1.6		1.73		1.59	
SW-846 6020A	Selenium	mg/l	N	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
SW-846 6020A	Selenium	mg/l	Y	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
SW-846 6020A	Silver	mg/l	N	0.00013	U	0.00013	U	0.00013	U	0.00013	U	0.00013	U
SW-846 6020A	Silver	mg/l	Y	0.00013	U	0.00013	U	0.00013	U	0.00013	U	0.00013	U
SW-846 6020A	Sodium	mg/l	N	43.4		67.4		81.7		77.2		79.2	

			Location	TR01		TR02		TR03		TR04		TR05	
			Field Sample ID	CVX-0003-01		CVX-0002-01		CVX-0006-01		CVX-0006-02		CVX-0006-04	
			Sample Date	8/15/2014		8/14/2014		8/20/2014		8/20/2014		8/20/2014	
			Sample Delivery Group	1496618		1496388		1497595		1497595		1497595	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER	
Analytical Method	Parameter Name	Units	Filtered										
SW-846 6020A	Sodium	mg/l	Y	50.8		66.3		83.2		83.6		81.8	
SW-846 6020A	Thallium	mg/l	N	0.00015	U	0.00015	U	0.00015	U	0.00015	U	0.00015	U
SW-846 6020A	Thallium	mg/l	Y	0.00015	U	0.00015	U	0.00015	U	0.00015	U	0.00015	U
SW-846 6020A	Vanadium	mg/l	N	0.00062	J	0.0006	J	0.00036	J	0.00035	J	0.00052	J
SW-846 6020A	Vanadium	mg/l	Y	0.00043	J	0.00053	J	0.00034	J	0.00027	J	0.00028	J
SW-846 6020A	Zinc	mg/l	N	0.0027	J	0.0024	U	0.0033	J	0.0024	U	0.0024	U
SW-846 6020A	Zinc	mg/l	Y	0.0024	U	0.0024	U	0.0024	U	0.0024	U	0.0025	J
SW-846 8082A	Aroclor 1016	ug/l	N										
SW-846 8082A	Aroclor 1221	ug/l	N										
SW-846 8082A	Aroclor 1232	ug/l	N										
SW-846 8082A	Aroclor 1242	ug/l	N										
SW-846 8082A	Aroclor 1248	ug/l	N										
SW-846 8082A	Aroclor 1254	ug/l	N										
SW-846 8082A	Aroclor 1260	ug/l	N										
SW-846 8082A	Aroclor-1262	ug/l	N										
SW-846 8082A	Aroclor-1268	ug/l	N										
SW-846 8260C	1,1,1-Trichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1,2-Trichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1-Dichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,2-Dichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,2-Dichloropropane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/l	N	3	U	3	U	3	U	3	U	3	U
SW-846 8260C	2-Hexanone	ug/l	N	3	U	3	U	3	U	3	U	3	U
SW-846 8260C	4-Methyl-2-pentanone	ug/l	N	3	U	3	U	3	U	3	U	3	U
SW-846 8260C	Acetone	ug/l	N	6	U	6	U	6	U	6	U	6	U
SW-846 8260C	Benzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromodichloromethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromoform	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Carbon Disulfide	ug/l	N	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Carbon Tetrachloride	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chlorobenzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroform	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Dibromochloromethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Ethylbenzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/l	N	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/l	N	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Toluene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

			Location	TR01		TR02		TR03		TR04		TR05	
			Field Sample ID	CVX-0003-01		CVX-0002-01		CVX-0006-01		CVX-0006-02		CVX-0006-04	
			Sample Date	8/15/2014		8/14/2014		8/20/2014		8/20/2014		8/20/2014	
			Sample Delivery Group	1496618		1496388		1497595		1497595		1497595	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
			Sample Type	SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER	
Analytical Method	Parameter Name	Units	Filtered										
SW-846 8260C	trans-1,2-Dichloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/l	N	0.5	U	0.5	U	0.5	UJ	0.5	UJ	0.5	UJ
SW-846 8260C	Xylenes, Total	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8270D SIM modified	Acenaphthene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Acenaphthylene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Anthracene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-Fluorenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Chrysene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Fluoranthene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Fluorene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Naphthalene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Perylene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Phenanthrene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Pyrene	ug/l	N	0.09	U	0.08	U	0.08	U	0.08	U	0.08	U

			Location	TR06		TR07		TR07		TR08		TR09	
			Field Sample ID	CVX-0006-05		CVX-0012-01		CVX-0012-02		CVX-0015-04		CVX-0015-03	
			Sample Date	8/20/2014		8/27/2014		8/27/2014		9/11/2014		9/11/2014	
			Sample Delivery Group	1497595		1499493		1499493		1502970		1502970	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample	
			Sample Type	SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER	
Analytical Method	Parameter Name	Units	Filtered										
SM 2340 C-1997	Total Hardness as CaCO3	mgCaCO3/L	N	174		179		183		198		208	
SM 2540 D-1997	Total Suspended Solids	mg/l	N	1.6	J	3.3		3.3		2.3	J	2.6	J
SM 4500-H+ B-2000	pH - Hydrogen Ion	SU	N	7.9		8.1		8.1		8.2		8.2	
SW-846 6020A	Aluminum	mg/l	N	0.057	J	0.0978	J	0.0945	J	0.0655	J	0.0734	J
SW-846 6020A	Aluminum	mg/l	Y	0.0188	J	0.0082	U	0.0082	U	0.0106	J	0.0176	J
SW-846 6020A	Antimony	mg/l	N	0.00033	U	0.00033	U	0.00033	U	0.00033	U	0.00033	U
SW-846 6020A	Antimony	mg/l	Y	0.00033	U	0.00033	U	0.00033	U	0.00033	U	0.00033	U
SW-846 6020A	Arsenic	mg/l	N	0.00082	U	0.00082	U	0.0009	J	0.00082	U	0.00082	U
SW-846 6020A	Arsenic	mg/l	Y	0.00082	U	0.00082	U	0.00082	U	0.00082	U	0.00082	U
SW-846 6020A	Barium	mg/l	N	0.0152		0.0186		0.019		0.0194		0.019	
SW-846 6020A	Barium	mg/l	Y	0.0151		0.0184		0.0175		0.0173		0.0165	
SW-846 6020A	Beryllium	mg/l	N	4.50E-05	U	4.50E-05	U	4.50E-05	U	4.50E-05	U	4.50E-05	U
SW-846 6020A	Beryllium	mg/l	Y	0.000045	U	0.000045	U	0.000045	U	0.000045	U	0.000045	U
SW-846 6020A	Cadmium	mg/l	N	0.00017	U	0.00017	U	0.00017	U	0.00017	U	0.00017	U
SW-846 6020A	Cadmium	mg/l	Y	0.00017	U	0.00017	U	0.00017	U	0.00017	U	0.00017	U
SW-846 6020A	Calcium	mg/l	N	42.7		48.2		47.8		53.2		52.4	
SW-846 6020A	Calcium	mg/l	Y	40.4		54.9		52.7		54		52.6	
SW-846 6020A	Chromium	mg/l	N	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
SW-846 6020A	Chromium	mg/l	Y	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
SW-846 6020A	Cobalt	mg/l	N	0.0001	U	0.0001	J	0.0001	U	0.00012	J	0.0001	U
SW-846 6020A	Cobalt	mg/l	Y	0.0001	U	0.00013	J	0.0001	U	0.0001	U	0.0001	U
SW-846 6020A	Copper	mg/l	N	0.002	J	0.0025	J	0.0028	J	0.0026	J	0.0027	J
SW-846 6020A	Copper	mg/l	Y	0.0039	J	0.0022	J	0.0021	J	0.0025	J	0.0032	J
SW-846 6020A	IRON	mg/l	N	0.147	J	0.206		0.182	J	0.168	J	0.184	J
SW-846 6020A	IRON	mg/l	Y	0.0215	J	0.0324	J	0.029	J	0.0332	J	0.0509	J
SW-846 6020A	Lead	mg/l	N	1.80E-04	J	2.50E-04	J	2.40E-04	J	3.10E-04	J	2.30E-04	J
SW-846 6020A	Lead	mg/l	Y	0.000082	U	0.000082	U	0.000082	U	0.000082	U	0.000094	J
SW-846 6020A	Magnesium	mg/l	N	13.4		15.2		15.4		14.6		14.8	
SW-846 6020A	Magnesium	mg/l	Y	12.6		16		15.2		14.9		14.6	
SW-846 6020A	Manganese	mg/l	N	0.064									
SW-846 6020A	Manganese	mg/l	Y	0.0494									
SW-846 6010C	Manganese	mg/l	N			0.0746		0.0726		0.0795		0.0836	
SW-846 6010C	Manganese	mg/l	Y			0.0553		0.0545		0.0616		0.0678	
SW-846 7470A	Mercury	mg/l	N										
EPA 1631 Revision E	Mercury	mg/l	N	0.0000028	U	0.00000398	J	0.00000318	J	0.0000028	U	0.0000028	U
EPA 1631 Revision E	Mercury	mg/l	Y	0.0000028	U	0.00000344	J	0.0000028	U	0.0000028	U	0.0000028	U
SW-846 6020A	Nickel	mg/l	N	0.0012	J	0.0015	J	0.0018	J	0.002	J	0.002	J
SW-846 6020A	Nickel	mg/l	Y	0.0012	J	0.0017	J	0.0016	J	0.002	J	0.002	J
SW-846 6020A	Potassium	mg/l	N	1.56		1.73		1.69		1.75		1.77	
SW-846 6020A	Potassium	mg/l	Y	1.48		1.89		1.73		1.79		1.76	
SW-846 6020A	Selenium	mg/l	N	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
SW-846 6020A	Selenium	mg/l	Y	0.0005	U	0.0005	U	0.0005	U	0.0005	U	0.0005	U
SW-846 6020A	Silver	mg/l	N	0.00013	U	0.00013	U	0.00013	U	0.00013	U	0.00013	U
SW-846 6020A	Silver	mg/l	Y	0.00013	U	0.00013	U	0.00013	U	0.00013	U	0.00013	U
SW-846 6020A	Sodium	mg/l	N	74.1		85.4		86.1		93.5		92.4	

			Location	TR06		TR07		TR07		TR08		TR09	
			Field Sample ID	CVX-0006-05		CVX-0012-01		CVX-0012-02		CVX-0015-04		CVX-0015-03	
			Sample Date	8/20/2014		8/27/2014		8/27/2014		9/11/2014		9/11/2014	
			Sample Delivery Group	1497595		1499493		1499493		1502970		1502970	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample	
			Sample Type	SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER	
Analytical Method	Parameter Name	Units	Filtered										
SW-846 6020A	Sodium	mg/l	Y	66.6		96.1		92.6		95		92.8	
SW-846 6020A	Thallium	mg/l	N	0.00015	U	0.00015	U	0.00015	U	0.00015	U	0.00015	U
SW-846 6020A	Thallium	mg/l	Y	0.00015	U	0.00015	U	0.00015	U	0.00015	U	0.00015	U
SW-846 6020A	Vanadium	mg/l	N	0.0004	J	0.00041	J	0.00034	J	0.00046	J	0.00046	J
SW-846 6020A	Vanadium	mg/l	Y	0.00032	J	0.00046	J	0.00027	J	0.00042	J	0.00048	J
SW-846 6020A	Zinc	mg/l	N	0.0024	U	0.0024	U	0.0024	U	0.0024	U	0.0024	U
SW-846 6020A	Zinc	mg/l	Y	0.0052	J	0.0024	U	0.0024	U	0.0024	U	0.0024	U
SW-846 8082A	Aroclor 1016	ug/l	N										
SW-846 8082A	Aroclor 1221	ug/l	N										
SW-846 8082A	Aroclor 1232	ug/l	N										
SW-846 8082A	Aroclor 1242	ug/l	N										
SW-846 8082A	Aroclor 1248	ug/l	N										
SW-846 8082A	Aroclor 1254	ug/l	N										
SW-846 8082A	Aroclor 1260	ug/l	N										
SW-846 8082A	Aroclor-1262	ug/l	N										
SW-846 8082A	Aroclor-1268	ug/l	N										
SW-846 8260C	1,1,1-Trichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1,2-Trichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1-Dichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,2-Dichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,2-Dichloropropane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/l	N	3	U	3	U	3	U	3	UJ	3	UJ
SW-846 8260C	2-Hexanone	ug/l	N	3	U	3	U	3	U	3	UJ	3	UJ
SW-846 8260C	4-Methyl-2-pentanone	ug/l	N	3	U	3	U	3	U	3	UJ	3	UJ
SW-846 8260C	Acetone	ug/l	N	6	U	6	U	6	U	6	U	6	U
SW-846 8260C	Benzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromodichloromethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromoform	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Carbon Disulfide	ug/l	N	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Carbon Tetrachloride	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chlorobenzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroform	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Dibromochloromethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Ethylbenzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/l	N	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/l	N	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Toluene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

			Location	TR06		TR07		TR07		TR08		TR09	
			Field Sample ID	CVX-0006-05		CVX-0012-01		CVX-0012-02		CVX-0015-04		CVX-0015-03	
			Sample Date	8/20/2014		8/27/2014		8/27/2014		9/11/2014		9/11/2014	
			Sample Delivery Group	1497595		1499493		1499493		1502970		1502970	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample	
			Sample Type	SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER		SURFACE WATER	
Analytical Method	Parameter Name	Units	Filtered										
SW-846 8260C	trans-1,2-Dichloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/l	N	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Xylenes, Total	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8270D SIM modified	Acenaphthene	ug/l	N	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U
SW-846 8270D SIM modified	Acenaphthylene	ug/l	N	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U
SW-846 8270D SIM modified	Anthracene	ug/l	N	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-Fluorenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Chrysene	ug/l	N	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Fluoranthene	ug/l	N	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U
SW-846 8270D SIM modified	Fluorene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Naphthalene	ug/l	N	0.08	U	0.08	UJ	0.08	UJ	0.08	UJ	0.08	UJ
SW-846 8270D SIM modified	Perylene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Phenanthrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
SW-846 8270D SIM modified	Pyrene	ug/l	N	0.08	U	0.08	UJ	0.08	UJ	0.08	U	0.08	U

			Location	TR10		TR11		EB		EB		TB	
			Field Sample ID	CVX-0015-02		CVX-0015-01		CVX-0005-02		CVX-0012-04		CVX-0002-02	
			Sample Date	9/11/2014		9/11/2014		8/20/2014		8/27/2014		8/14/2014	
			Sample Delivery Group	1502970		1502970		1497631		1499493		1496388	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Equipment Blank		Equipment Blank		Trip Blank	
			Sample Type	SURFACE WATER		SURFACE WATER		Blank Water		Blank Water		Blank Water	
Analytical Method	Parameter Name	Units	Filtered										
SM 2340 C-1997	Total Hardness as CaCO3	mgCaCO3/L	N	218		217				5.9	J		
SM 2540 D-1997	Total Suspended Solids	mg/l	N	1.7	J	1.5	J			1	U		
SM 4500-H+ B-2000	pH - Hydrogen Ion	SU	N	8.1		8.1				5.3			
SW-846 6020A	Aluminum	mg/l	N	0.0562	J	0.0365	J	0.0135	J	0.0082	U		
SW-846 6020A	Aluminum	mg/l	Y	0.0124	J	0.0139	J			0.0082	U		
SW-846 6020A	Antimony	mg/l	N	0.00033	U	0.00033	U	0.00033	U	0.00033	U		
SW-846 6020A	Antimony	mg/l	Y	0.00033	U	0.00033	U			0.00033	U		
SW-846 6020A	Arsenic	mg/l	N	0.00082	U	0.00082	U	0.00082	U	0.00082	U		
SW-846 6020A	Arsenic	mg/l	Y	0.00082	J	0.001	J			0.00082	U		
SW-846 6020A	Barium	mg/l	N	0.0177		0.0183		0.0008	J	0.00058	U		
SW-846 6020A	Barium	mg/l	Y	0.0187		0.0184				0.00058	U		
SW-846 6020A	Beryllium	mg/l	N	4.50E-05	U	4.50E-05	U	4.50E-05	U	4.50E-05	U		
SW-846 6020A	Beryllium	mg/l	Y	0.000045	U	0.000045	U			0.000045	U		
SW-846 6020A	Cadmium	mg/l	N	0.00017	U	0.00017	U	0.00017	U	0.00017	U		
SW-846 6020A	Cadmium	mg/l	Y	0.00017	U	0.00017	U			0.00017	U		
SW-846 6020A	Calcium	mg/l	N	52.6		53.1		0.0797	J	0.0697	U		
SW-846 6020A	Calcium	mg/l	Y	52.3		51.8				0.0697	U		
SW-846 6020A	Chromium	mg/l	N	0.0005	U	0.0005	U	0.0005	U	0.0005	U		
SW-846 6020A	Chromium	mg/l	Y	0.0005	U	0.0005	U			0.0005	U		
SW-846 6020A	Cobalt	mg/l	N	0.0001	U	0.0001	U	0.0001	U	0.0001	U		
SW-846 6020A	Cobalt	mg/l	Y	0.0001	U	0.0001	U			0.0001	U		
SW-846 6020A	Copper	mg/l	N	0.0024	J	0.0024	J	0.0005	U	0.0005	U		
SW-846 6020A	Copper	mg/l	Y	0.0028	J	0.0026	J			0.0005	U		
SW-846 6020A	IRON	mg/l	N	0.141	J	0.122	J	0.0131	U	0.0131	U		
SW-846 6020A	IRON	mg/l	Y	0.0395	J	0.0453	J			0.0131	U		
SW-846 6020A	Lead	mg/l	N	2.10E-04	J	1.70E-04	J	8.20E-05	U	8.20E-05	U		
SW-846 6020A	Lead	mg/l	Y	0.000084	J	0.000082	U			0.000082	U		
SW-846 6020A	Magnesium	mg/l	N	14.2		14.5		0.022	J	0.007	U		
SW-846 6020A	Magnesium	mg/l	Y	14.8		14.7				0.0085	J		
SW-846 6020A	Manganese	mg/l	N					0.00055	U				
SW-846 6020A	Manganese	mg/l	Y										
SW-846 6010C	Manganese	mg/l	N	0.0764		0.0672				0.00083	U		
SW-846 6010C	Manganese	mg/l	Y	0.0589		0.0516				0.00083	U		
SW-846 7470A	Mercury	mg/l	N					6.00E-05	U				
EPA 1631 Revision E	Mercury	mg/l	N	0.00000305	J	0.0000028	U			0.00000028	U		
EPA 1631 Revision E	Mercury	mg/l	Y	0.0000028	U	0.0000028	U			0.00000124			
SW-846 6020A	Nickel	mg/l	N	0.0016	J	0.0017	J	0.00079	U	0.00079	U		
SW-846 6020A	Nickel	mg/l	Y	0.0021	J	0.0016	J			0.00079	U		
SW-846 6020A	Potassium	mg/l	N	1.7		1.74		0.0412	U	0.0412	U		
SW-846 6020A	Potassium	mg/l	Y	1.8		1.8				0.0412	U		
SW-846 6020A	Selenium	mg/l	N	0.0005	U	0.0005	U	0.0005	U	0.0005	U		
SW-846 6020A	Selenium	mg/l	Y	0.0005	U	0.0005	U			0.0005	U		
SW-846 6020A	Silver	mg/l	N	0.00013	U	0.00013	U	0.00013	U	0.00013	U		
SW-846 6020A	Silver	mg/l	Y	0.00013	U	0.00013	U			0.00013	U		
SW-846 6020A	Sodium	mg/l	N	89.8	J	92.6		0.227	J	0.05	U		

			Location	TR10		TR11		EB		EB		TB	
			Field Sample ID	CVX-0015-02		CVX-0015-01		CVX-0005-02		CVX-0012-04		CVX-0002-02	
			Sample Date	9/11/2014		9/11/2014		8/20/2014		8/27/2014		8/14/2014	
			Sample Delivery Group	1502970		1502970		1497631		1499493		1496388	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Equipment Blank		Equipment Blank		Trip Blank	
			Sample Type	SURFACE WATER		SURFACE WATER		Blank Water		Blank Water		Blank Water	
Analytical Method	Parameter Name	Units	Filtered										
SW-846 6020A	Sodium	mg/l	Y	90.6		89.2				0.0608	J		
SW-846 6020A	Thallium	mg/l	N	0.00015	U	0.00015	U	0.00015	U	0.00015	U		
SW-846 6020A	Thallium	mg/l	Y	0.00015	U	0.00015	U			0.00015	U		
SW-846 6020A	Vanadium	mg/l	N	0.00054	J	0.00045	J	0.00022	U	0.00022	U		
SW-846 6020A	Vanadium	mg/l	Y	0.00041	J	0.00039	J			0.00022	U		
SW-846 6020A	Zinc	mg/l	N	0.0024	U	0.0024	U	0.0024	U	0.0025	J		
SW-846 6020A	Zinc	mg/l	Y	0.0024	U	0.0024	U			0.0024	U		
SW-846 8082A	Aroclor 1016	ug/l	N						R				
SW-846 8082A	Aroclor 1221	ug/l	N						R				
SW-846 8082A	Aroclor 1232	ug/l	N						R				
SW-846 8082A	Aroclor 1242	ug/l	N						R				
SW-846 8082A	Aroclor 1248	ug/l	N						R				
SW-846 8082A	Aroclor 1254	ug/l	N						R				
SW-846 8082A	Aroclor 1260	ug/l	N						R				
SW-846 8082A	Aroclor-1262	ug/l	N						R				
SW-846 8082A	Aroclor-1268	ug/l	N						R				
SW-846 8260C	1,1,1-Trichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1,2-Trichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1-Dichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,2-Dichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,2-Dichloropropane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/l	N	3	UJ	3	UJ	3	U	3	U	3	U
SW-846 8260C	2-Hexanone	ug/l	N	3	UJ	3	UJ	3	U	3	U	3	U
SW-846 8260C	4-Methyl-2-pentanone	ug/l	N	3	UJ	3	UJ	3	U	3	U	3	U
SW-846 8260C	Acetone	ug/l	N	6	U	6	U	6	U	6	U	6	U
SW-846 8260C	Benzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromodichloromethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromoform	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Carbon Disulfide	ug/l	N	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Carbon Tetrachloride	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chlorobenzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroform	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Dibromochloromethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Ethylbenzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/l	N	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/l	N	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Toluene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

			Location	TR10		TR11		EB		EB		TB	
			Field Sample ID	CVX-0015-02		CVX-0015-01		CVX-0005-02		CVX-0012-04		CVX-0002-02	
			Sample Date	9/11/2014		9/11/2014		8/20/2014		8/27/2014		8/14/2014	
			Sample Delivery Group	1502970		1502970		1497631		1499493		1496388	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Regular sample		Regular sample		Equipment Blank		Equipment Blank		Trip Blank	
			Sample Type	SURFACE WATER		SURFACE WATER		Blank Water		Blank Water		Blank Water	
Analytical Method	Parameter Name	Units	Filtered										
SW-846 8260C	trans-1,2-Dichloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Xylenes, Total	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8270D SIM modified	Acenaphthene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	UJ		
SW-846 8270D SIM modified	Acenaphthylene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	UJ		
SW-846 8270D SIM modified	Anthracene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	UJ		
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C1-Fluorenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C1-Naphthalenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C2-Fluorenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C2-Naphthalenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C3-Fluorenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C3-Naphthalenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C4-Naphthalenes	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Chrysene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	UJ		
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Fluoranthene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	UJ		
SW-846 8270D SIM modified	Fluorene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Naphthalene	ug/l	N	0.08	UJ	0.08	UJ	0.08	U	0.08	UJ		
SW-846 8270D SIM modified	Perylene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Phenanthrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	U		
SW-846 8270D SIM modified	Pyrene	ug/l	N	0.08	U	0.08	U	0.08	U	0.08	UJ		

			Location	TB		TB		TB		TB		TB	
			Field Sample ID	CVX-0003-02		CVX-0005-03		CVX-0006-03		CVX-0012-03		CVX-0015-05	
			Sample Date	8/15/2014		8/20/2014		8/20/2014		8/27/2014		9/11/2014	
			Sample Delivery Group	1496618		1497631		1497595		1499493		1502970	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Trip Blank		Trip Blank		Trip Blank		Trip Blank		Trip Blank	
			Sample Type	Blank Water		Blank Water		Blank Water		Blank Water		Blank Water	
Analytical Method	Parameter Name	Units	Filtered										
SM 2340 C-1997	Total Hardness as CaCO3	mgCaCO3/L	N										
SM 2540 D-1997	Total Suspended Solids	mg/l	N										
SM 4500-H+ B-2000	pH - Hydrogen Ion	SU	N										
SW-846 6020A	Aluminum	mg/l	N										
SW-846 6020A	Aluminum	mg/l	Y										
SW-846 6020A	Antimony	mg/l	N										
SW-846 6020A	Antimony	mg/l	Y										
SW-846 6020A	Arsenic	mg/l	N										
SW-846 6020A	Arsenic	mg/l	Y										
SW-846 6020A	Barium	mg/l	N										
SW-846 6020A	Barium	mg/l	Y										
SW-846 6020A	Beryllium	mg/l	N										
SW-846 6020A	Beryllium	mg/l	Y										
SW-846 6020A	Cadmium	mg/l	N										
SW-846 6020A	Cadmium	mg/l	Y										
SW-846 6020A	Calcium	mg/l	N										
SW-846 6020A	Calcium	mg/l	Y										
SW-846 6020A	Chromium	mg/l	N										
SW-846 6020A	Chromium	mg/l	Y										
SW-846 6020A	Cobalt	mg/l	N										
SW-846 6020A	Cobalt	mg/l	Y										
SW-846 6020A	Copper	mg/l	N										
SW-846 6020A	Copper	mg/l	Y										
SW-846 6020A	IRON	mg/l	N										
SW-846 6020A	IRON	mg/l	Y										
SW-846 6020A	Lead	mg/l	N										
SW-846 6020A	Lead	mg/l	Y										
SW-846 6020A	Magnesium	mg/l	N										
SW-846 6020A	Magnesium	mg/l	Y										
SW-846 6020A	Manganese	mg/l	N										
SW-846 6020A	Manganese	mg/l	Y										
SW-846 6010C	Manganese	mg/l	N										
SW-846 6010C	Manganese	mg/l	Y										
SW-846 7470A	Mercury	mg/l	N										
EPA 1631 Revision E	Mercury	mg/l	N										
EPA 1631 Revision E	Mercury	mg/l	Y										
SW-846 6020A	Nickel	mg/l	N										
SW-846 6020A	Nickel	mg/l	Y										
SW-846 6020A	Potassium	mg/l	N										
SW-846 6020A	Potassium	mg/l	Y										
SW-846 6020A	Selenium	mg/l	N										
SW-846 6020A	Selenium	mg/l	Y										
SW-846 6020A	Silver	mg/l	N										
SW-846 6020A	Silver	mg/l	Y										
SW-846 6020A	Sodium	mg/l	N										

			Location	TB		TB		TB		TB		TB	
			Field Sample ID	CVX-0003-02		CVX-0005-03		CVX-0006-03		CVX-0012-03		CVX-0015-05	
			Sample Date	8/15/2014		8/20/2014		8/20/2014		8/27/2014		9/11/2014	
			Sample Delivery Group	1496618		1497631		1497595		1499493		1502970	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Trip Blank		Trip Blank		Trip Blank		Trip Blank		Trip Blank	
			Sample Type	Blank Water		Blank Water		Blank Water		Blank Water		Blank Water	
Analytical Method	Parameter Name	Units	Filtered										
SW-846 6020A	Sodium	mg/l	Y										
SW-846 6020A	Thallium	mg/l	N										
SW-846 6020A	Thallium	mg/l	Y										
SW-846 6020A	Vanadium	mg/l	N										
SW-846 6020A	Vanadium	mg/l	Y										
SW-846 6020A	Zinc	mg/l	N										
SW-846 6020A	Zinc	mg/l	Y										
SW-846 8082A	Aroclor 1016	ug/l	N										
SW-846 8082A	Aroclor 1221	ug/l	N										
SW-846 8082A	Aroclor 1232	ug/l	N										
SW-846 8082A	Aroclor 1242	ug/l	N										
SW-846 8082A	Aroclor 1248	ug/l	N										
SW-846 8082A	Aroclor 1254	ug/l	N										
SW-846 8082A	Aroclor 1260	ug/l	N										
SW-846 8082A	Aroclor-1262	ug/l	N										
SW-846 8082A	Aroclor-1268	ug/l	N										
SW-846 8260C	1,1,1-Trichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1,2-Trichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1-Dichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,2-Dichloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	1,2-Dichloropropane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/l	N	3	U	3	U	3	U	3	U	3	UJ
SW-846 8260C	2-Hexanone	ug/l	N	3	U	3	U	3	U	3	U	3	UJ
SW-846 8260C	4-Methyl-2-pentanone	ug/l	N	3	U	3	U	3	U	3	U	3	UJ
SW-846 8260C	Acetone	ug/l	N	6	U	6	U	6	U	6	U	6	U
SW-846 8260C	Benzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromodichloromethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromoform	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Carbon Disulfide	ug/l	N	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Carbon Tetrachloride	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chlorobenzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloroform	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Dibromochloromethane	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Ethylbenzene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/l	N	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/l	N	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Toluene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

			Location	TB		TB		TB		TB		TB	
			Field Sample ID	CVX-0003-02		CVX-0005-03		CVX-0006-03		CVX-0012-03		CVX-0015-05	
			Sample Date	8/15/2014		8/20/2014		8/20/2014		8/27/2014		9/11/2014	
			Sample Delivery Group	1496618		1497631		1497595		1499493		1502970	
			Matrix	WATER		WATER		WATER		WATER		WATER	
			Sample Purpose	Trip Blank		Trip Blank		Trip Blank		Trip Blank		Trip Blank	
			Sample Type	Blank Water		Blank Water		Blank Water		Blank Water		Blank Water	
Analytical Method	Parameter Name	Units	Filtered										
SW-846 8260C	trans-1,2-Dichloroethene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/l	N	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U
SW-846 8260C	Xylenes, Total	ug/l	N	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
SW-846 8270D SIM modified	Acenaphthene	ug/l	N										
SW-846 8270D SIM modified	Acenaphthylene	ug/l	N										
SW-846 8270D SIM modified	Anthracene	ug/l	N										
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/l	N										
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/l	N										
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/l	N										
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/l	N										
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/l	N										
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/l	N										
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/l	N										
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/l	N										
SW-846 8270D SIM modified	C1-Fluorenes	ug/l	N										
SW-846 8270D SIM modified	C1-Naphthalenes	ug/l	N										
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/l	N										
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/l	N										
SW-846 8270D SIM modified	C2-Fluorenes	ug/l	N										
SW-846 8270D SIM modified	C2-Naphthalenes	ug/l	N										
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/l	N										
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/l	N										
SW-846 8270D SIM modified	C3-Fluorenes	ug/l	N										
SW-846 8270D SIM modified	C3-Naphthalenes	ug/l	N										
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/l	N										
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/l	N										
SW-846 8270D SIM modified	C4-Naphthalenes	ug/l	N										
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/l	N										
SW-846 8270D SIM modified	Chrysene	ug/l	N										
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/l	N										
SW-846 8270D SIM modified	Fluoranthene	ug/l	N										
SW-846 8270D SIM modified	Fluorene	ug/l	N										
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/l	N										
SW-846 8270D SIM modified	Naphthalene	ug/l	N										
SW-846 8270D SIM modified	Perylene	ug/l	N										
SW-846 8270D SIM modified	Phenanthrene	ug/l	N										
SW-846 8270D SIM modified	Pyrene	ug/l	N										

ATTACHMENT A-2

VALIDATED LABORATORY SEDIMENT DATA

		Location	TR01_A		TR01_A		TR01_A		TR01_A		TR01_B		TR01_B	
		Field Sample ID	CVX-0004-01		CVX-0004-02		CVX-0004-03		CVX-0004-08		CVX-0004-04		CVX-0004-05	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.7 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	12400		24400		9340		9270		6870		21700	
SM 2540 G	Moisture	%	34.8		39.7		18.7		26.2		22.1		40.7	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	0.75	J	4.2		0.63	U	0.63	U	0.63	U	2.7	
SW-846 6010C	Cadmium	UMOLES/G	0.000604	J	0.000406	J	0.000254	J	0.000297	J	0.000375	J	0.000378	J
SW-846 6010C	Copper	UMOLES/G	0.0634		0.0508		0.0461		0.0522		0.0444		0.0456	
SW-846 6010C	Lead	UMOLES/G	0.0414	J+	0.0344	J+	0.0278	J+	0.0275	J+	0.0241	J+	0.0248	J+
SW-846 6010C	Nickel	UMOLES/G	0.026		0.032		0.0255		0.0271		0.0316		0.0307	
SW-846 6010C	Silver	UMOLES/G	0.000439	U	0.000432	U	0.00043	U	0.000432	U	0.000439	U	0.000435	U
SW-846 6010C	Zinc	UMOLES/G	0.173	UJ	0.181	UJ	0.141	UJ	0.126	UJ	0.162	UJ	0.196	UJ
SW-846 6020A	Aluminum	mg/kg	11000		16400		13900		16300		13800		9250	
SW-846 6020A	Antimony	mg/Kg	0.128	U	0.135	U	0.103	U	0.112	U	0.105	U	0.136	U
SW-846 6020A	Arsenic	mg/kg	2.87		2.98		3.74		4.46		3.38		1.76	
SW-846 6020A	Barium	mg/kg	50.6		70.4		36.9		46		39.9		36	
SW-846 6020A	Beryllium	mg/Kg	0.404		0.71		0.547		0.616		0.59		0.312	J
SW-846 6020A	Cadmium	mg/kg	0.148	J	0.113	J	0.0246	U	0.0352	J	0.0738	J	0.1	J
SW-846 6020A	Calcium	mg/kg	1650		1630		1170		1350		46900		1350	
SW-846 6020A	Chromium	mg/Kg	12.1		20.2		14.4		17.6		15		9.73	
SW-846 6020A	Cobalt	mg/kg	6.76		10.8		9.15		11.9		11.4		6.7	
SW-846 6020A	Copper	mg/kg	13.9		15.8		9.67		12.4		17.3		11.8	
SW-846 6020A	IRON	mg/kg	16000		28100		28400		36300		35800		14900	
SW-846 6020A	Lead	mg/Kg	12.7		15.8		9.84		10.8		11.1		9.14	
SW-846 6020A	Magnesium	mg/kg	3910		7950		7440		8460		33800		4340	
SW-846 6010C	Manganese	mg/kg	270		270		286		292		372		357	
SW-846 7471B	Mercury	mg/Kg	0.289	U	0.307	U	0.241	U	0.26	U	0.243	U	0.317	U
SW-846 6020A	Nickel	mg/Kg	15.3		25.8		23.2		28.9		26.1		14.6	
SW-846 6020A	Potassium	mg/kg	1120		1880		1450		1700		1000		849	
SW-846 6020A	Selenium	mg/Kg	0.369	J	0.213	J	0.122	U	0.133	U	0.125	U	0.194	J
SW-846 6020A	Silver	mg/Kg	0.139	J	0.0912	J	0.0244	U	0.0266	U	0.0461	J	0.0548	J
SW-846 6020A	Sodium	mg/kg	126		128	U	97.4	U	106	U	134		128	U
SW-846 6020A	Thallium	mg/Kg	0.0793	J	0.116	J	0.0533	J	0.071	J	0.0666	J	0.0499	J
SW-846 6020A	Vanadium	mg/kg	13.1		22.1		17.3		18.2		17.2		9.75	
SW-846 6020A	Zinc	mg/Kg	65.6		91.7		65.1		80.7		89.1		55.3	
SW-846 8082A	Aroclor 1016	ug/kg												
SW-846 8082A	Aroclor 1221	ug/kg												
SW-846 8082A	Aroclor 1232	ug/kg												
SW-846 8082A	Aroclor 1242	ug/kg												
SW-846 8082A	Aroclor 1248	ug/kg												
SW-846 8082A	Aroclor 1254	ug/kg												
SW-846 8082A	Aroclor 1260	ug/kg												
SW-846 8082A	Aroclor-1262	ug/kg												
SW-846 8082A	Aroclor-1268	ug/kg												
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U

		Location	TR01_A		TR01_A		TR01_A		TR01_A		TR01_B		TR01_B	
		Field Sample ID	CVX-0004-01		CVX-0004-02		CVX-0004-03		CVX-0004-08		CVX-0004-04		CVX-0004-05	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.7 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	5	U	5	U	4	U	4	U	4	U	5	U
SW-846 8260C	2-Hexanone	ug/Kg	3	U	4	U	3	U	3	U	3	U	4	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	3	U	4	U	3	U	3	U	3	U	4	U
SW-846 8260C	Acetone	ug/kg	15	J	10	J	24		7	U	13	J	18	J
SW-846 8260C	Benzene	ug/kg	0.6	U	0.6	U	0.5	U	0.5	U	0.5	U	0.6	U
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Bromoform	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Carbon Disulfide	ug/kg	3	J	7		2	J	1	U	2	J	16	
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Chlorobenzene	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Chloroethane	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Chloroform	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Ethylbenzene	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Toluene	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Xylenes, Total	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	1	U	1	U	0.8	U	0.9	U	3		2	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	1	J	1	U	0.8	U	0.9	U	1	J	1	J
SW-846 8270D SIM modified	Anthracene	ug/kg	2	J	2	J	0.8	U	0.9	U	6		8	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	17		12	J-	0.8	U	0.9	U	28		45	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	28		18	J-	0.8	U	0.9	U	31		58	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	27		18	J-	0.8	U	0.9	U	38		64	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	19		14	J-	0.8	U	0.9	U	22		47	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	21		18	J-	0.8	U	0.9	U	30		53	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	18		14	J-	0.8	U	0.9	U	25		44	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	11		12	J-	0.8	U	0.9	U	18		33	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	15		11	J-	0.8	U	0.9	U	24		38	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	1	J	1	U	0.8	U	0.9	U	2	J	2	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	1	U	1	U	0.9	J	0.9	U	1	J	3	J
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	1	U	1	UJ	0.8	U	0.9	U	0.8	U	1	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	1	U	3	J-	0.8	U	0.9	U	7		13	
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	1	U	1	U	0.8	U	0.9	U	0.8	U	1	U

		Location	TR01_A		TR01_A		TR01_A		TR01_A		TR01_B		TR01_B	
		Field Sample ID	CVX-0004-01		CVX-0004-02		CVX-0004-03		CVX-0004-08		CVX-0004-04		CVX-0004-05	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.7 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	1	U	1	U	2		0.9	U	2	J	3	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	7		5	J-	1	J	0.9	U	7		10	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	1	U	2	J	0.8	U	0.9	U	5		8	
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	1	U	1	U	0.8	U	0.9	U	0.8	U	1	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	6		2	J	2		0.9	U	2	J	4	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	4		3	J-	0.8	U	0.9	U	4		6	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	1	U	1	UJ	0.8	U	0.9	U	0.8	U	1	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	1	J	1	U	0.8	U	0.9	U	0.8	U	1	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	1	U	1	UJ	0.8	U	0.9	U	0.8	U	1	U
SW-846 8270D SIM modified	Chrysene	ug/kg	24		18	J-	0.8	U	0.9	U	39		66	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	4		3	J-	0.8	U	0.9	U	6		10	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	50		37	J-	0.8	U	2	J	87		130	
SW-846 8270D SIM modified	Fluorene	ug/kg	2	J	1	J	0.8	U	0.9	U	4		3	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	21		16	J-	0.8	U	0.9	U	25		50	
SW-846 8270D SIM modified	Naphthalene	ug/kg	2	J	1	J	0.8	U	0.9	U	0.9	J	2	J
SW-846 8270D SIM modified	Perylene	ug/kg	41		19	J-	11		26		15		28	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	13		11	J-	0.8	U	0.9	U	40		43	
SW-846 8270D SIM modified	Pyrene	ug/kg	35		26	J-	0.8	U	1	J	56		87	

		Location	TR01_B		TR01_B		TR01_C		TR01_C		TR01_C		TR01_C	
		Field Sample ID	CVX-0004-06		CVX-0004-07		CVX-0004-09		CVX-0004-10		CVX-0004-11		CVX-0004-12	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	1-2 FT		1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-2.9 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	1590		1680		9860		1050		1550		1220	
SM 2540 G	Moisture	%	22.4		15.2		32.9		20.1		26.2		21.1	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	1.8	J	1.3	J	6.1		1.6	J	1.6	J	0.63	U
SW-846 6010C	Cadmium	UMOLES/G	0.000494	J	0.000769	J	0.000706	J	0.000393	J	0.0008	J	0.000344	J
SW-846 6010C	Copper	UMOLES/G	0.0371		0.0562		0.0474		0.035		0.0549	J-	0.0558	
SW-846 6010C	Lead	UMOLES/G	0.0329	J+	0.0393	J+	0.0316	J+	0.0297	J+	0.0322	J+	0.029	J+
SW-846 6010C	Nickel	UMOLES/G	0.0316		0.0425		0.0419		0.0288		0.0312		0.0311	
SW-846 6010C	Silver	UMOLES/G	0.000423	U	0.000426	U	0.00043	U	0.000425	U		R	0.000437	U
SW-846 6010C	Zinc	UMOLES/G	0.218	UJ	0.266	UJ	0.302	UJ	0.257	UJ	0.313	UJ	0.176	UJ
SW-846 6020A	Aluminum	mg/kg	15300		13200		14500		8690		15100		17700	
SW-846 6020A	Antimony	mg/Kg	0.105	U	0.0995	U	0.121	U	0.103	U	0.109	U	0.105	U
SW-846 6020A	Arsenic	mg/kg	2.04		2.5		3.01		1.79		1.51	J+	2.12	
SW-846 6020A	Barium	mg/kg	52.2		36.4		73		44.6		39.2	J-	44.1	
SW-846 6020A	Beryllium	mg/Kg	0.708		0.464		0.712		0.442		0.412	J+	0.532	
SW-846 6020A	Cadmium	mg/kg	0.0766	J	0.0903	J	0.229	J	0.12	J	0.0708	J	0.0912	J
SW-846 6020A	Calcium	mg/kg	1510		824		2440		1790		1150	J+	1070	
SW-846 6020A	Chromium	mg/Kg	21.4		14.2		17.3		12.6		13.7	J+	18.8	
SW-846 6020A	Cobalt	mg/kg	11.2		12.4		11.2		7.91		9.52	J+	13.3	
SW-846 6020A	Copper	mg/kg	18.2		19.6		26.5		14.8		10.3	J+	12.7	
SW-846 6020A	IRON	mg/kg	27100		32200		26000		16500		28700		32400	
SW-846 6020A	Lead	mg/Kg	21.6		14.3		21.3		13.2		9.71	J-	13.3	
SW-846 6020A	Magnesium	mg/kg	7650		5930		6500		5300		6910		10900	
SW-846 6010C	Manganese	mg/kg	316		441		522		300		306		324	
SW-846 7471B	Mercury	mg/Kg	0.243	U	0.233	U	0.296	U	0.236	U	0.267	U	0.238	U
SW-846 6020A	Nickel	mg/Kg	25.9		26.7		26.3		19.2		22.3	J-	28.1	
SW-846 6020A	Potassium	mg/kg	1780	J	823	J	1430		977		1150	J	1080	
SW-846 6020A	Selenium	mg/Kg	0.174	J	0.118	U	0.369	J	0.192	J	0.129	U	0.124	U
SW-846 6020A	Silver	mg/Kg	0.0272	J	0.0273	J	0.142	J	0.0692	J	0.0356	J	0.0249	U
SW-846 6020A	Sodium	mg/kg	99.1	U	94.3	U	151		97.2	U	103	U	99.4	U
SW-846 6020A	Thallium	mg/Kg	0.0828	J	0.041	J	0.111	J	0.0576	J	0.0486	J	0.0641	J
SW-846 6020A	Vanadium	mg/kg	19.8		12.6		17.5		12.5		13.7	J+	18.4	
SW-846 6020A	Zinc	mg/Kg	79.5		91.3		108		72.2		79.5		86.4	
SW-846 8082A	Aroclor 1016	ug/kg					5.4	UJ	4.5	UJ	4.9	UJ	4.6	UJ
SW-846 8082A	Aroclor 1221	ug/kg					6.9	UJ	5.8	UJ	6.2	UJ	5.8	UJ
SW-846 8082A	Aroclor 1232	ug/kg					12	UJ	10	UJ	11	UJ	10	UJ
SW-846 8082A	Aroclor 1242	ug/kg					4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ
SW-846 8082A	Aroclor 1248	ug/kg					4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ
SW-846 8082A	Aroclor 1254	ug/kg					4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ
SW-846 8082A	Aroclor 1260	ug/kg					7.3	UJ	6.1	UJ	6.6	UJ	6.2	UJ
SW-846 8082A	Aroclor-1262	ug/kg					4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ
SW-846 8082A	Aroclor-1268	ug/kg					4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ
SW-846 8082A	Polychlorinated biphenyls	ug/kg					4.9	UJ	4.1	UJ	4.5	UJ	4.2	UJ
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U

		Location	TR01_B		TR01_B		TR01_C		TR01_C		TR01_C		TR01_C	
		Field Sample ID	CVX-0004-06		CVX-0004-07		CVX-0004-09		CVX-0004-10		CVX-0004-11		CVX-0004-12	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	1-2 FT		1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-2.9 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	4	U	3	U	5	U	4	U	4	U	3	U
SW-846 8260C	2-Hexanone	ug/Kg	3	U	2	U	4	U	3	U	3	U	3	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	3	U	2	U	4	U	3	U	3	U	3	U
SW-846 8260C	Acetone	ug/kg	10	J	10	J	28		24		11	J	16	J
SW-846 8260C	Benzene	ug/kg	0.5	U	0.4	U	0.6	U	0.5	U	0.5	U	0.4	U
SW-846 8260C	Bromodichloromethane	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Bromoform	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Carbon Disulfide	ug/kg	1	J	2	J	8		6		1	J	5	
SW-846 8260C	Carbon Tetrachloride	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Chlorobenzene	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Chloroethane	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Chloroform	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Dibromochloromethane	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Ethylbenzene	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Tetrachloroethene	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Toluene	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8260C	Xylenes, Total	ug/kg	0.9	U	0.8	U	1	U	1	U	1	U	0.9	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	0.9	U	0.8	U	2	J	1	J	0.9	U	0.8	U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	0.9	U	0.8	U	2	J	0.8	U	0.9	U	0.8	U
SW-846 8270D SIM modified	Anthracene	ug/kg	1	J	0.8	U	8		5		2	J	0.8	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	7		4		42		38		8		5	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	10		6		55		42		14		6	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	10		6		70		42		14		6	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	8		5		48		34		13		5	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	11		6		54		38		11		6	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	8		5		45		31		10		5	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	5		3		26		52		14		3	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	6		4		36		30		9		4	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	0.9	U	0.8	U	3		2	J	1	J	0.8	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	1	J	0.8	U	1	J	0.8	U	3		0.8	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	0.9	U	0.8	U	1	U	0.8	U	0.9	U	0.8	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	2	J	2		11		0.8	U	0.9	U	0.8	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	0.9	U	0.8	U	1	U	0.8	U	0.9	U	0.8	U

		Location	TR01_B		TR01_B		TR01_C		TR01_C		TR01_C		TR01_C	
		Field Sample ID	CVX-0004-06		CVX-0004-07		CVX-0004-09		CVX-0004-10		CVX-0004-11		CVX-0004-12	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	1-2 FT		1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-2.9 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	2	J	1	J	2	J	0.9	J	12		0.8	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	3		2		12		11		5		2	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	0.9	U	2	J	5		6		7		0.8	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	0.9	U	0.8	U	1	U	0.8	U	0.9	U	0.8	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	1	J	0.8	U	3		2	J	4		0.8	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	0.9	U	2		7		6		4		2	J
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	0.9	U	0.8	U	1	U	0.8	U	7		0.8	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	0.9	U	0.8	U	2	J	1	J	3		0.8	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	0.9	U	0.8	U	1	U	0.8	U	0.9	U	0.8	U
SW-846 8270D SIM modified	Chrysene	ug/kg	10		6		61		44		13		6	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	2	J	1	J	10		7		2	J	1	J
SW-846 8270D SIM modified	Fluoranthene	ug/kg	18		11		130		110		26		12	
SW-846 8270D SIM modified	Fluorene	ug/kg	0.9	U	0.8	U	3		2	J	2	J	0.8	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	9		6		53		36		10		5	
SW-846 8270D SIM modified	Naphthalene	ug/kg	0.9	U	0.8	U	1	J	0.8	U	1	J	0.8	U
SW-846 8270D SIM modified	Perylene	ug/kg	16		25		27		24		15		18	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	4		3		38		14		11		4	
SW-846 8270D SIM modified	Pyrene	ug/kg	12		8		87		73		21		9	

		Location	TR01_D		TR01_D		TR01_D		TR01_D		TR01_E		TR01_E	
		Field Sample ID	CVX-0004-13		CVX-0004-14		CVX-0004-15		CVX-0004-16		CVX-0004-17		CVX-0004-18	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	11700		27500	J+	2440		4080		116	U	110	U
SM 2540 G	Moisture	%	32.2		45.1		24.9		20.5		14		9.3	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	3		2.5		0.63	U	1.3	J	0.63	UJ	0.63	U
SW-846 6010C	Cadmium	UMOLES/G	0.000634	J	0.000819	J	0.0003	J	0.000363	J	0.000517	J	0.000272	J
SW-846 6010C	Copper	UMOLES/G	0.0329		0.0696		0.0414		0.0516		0.0397		0.0327	
SW-846 6010C	Lead	UMOLES/G	0.022	J+	0.0267	J+	0.0241	J+	0.0272	J+	0.0221	J+	0.0195	J+
SW-846 6010C	Nickel	UMOLES/G	0.0305		0.0328		0.0334		0.0354		0.0212		0.0166	
SW-846 6010C	Silver	UMOLES/G	0.000439	U	0.000431	U	0.000431	U	0.000427	U	0.000421	U	0.000431	U
SW-846 6010C	Zinc	UMOLES/G	0.276	J+	0.312	J+	0.261	J+	0.254	J+	0.123	UJ	0.104	J+
SW-846 6020A	Aluminum	mg/kg	12900		16100		11500		12300		11300		11500	
SW-846 6020A	Antimony	mg/Kg	0.121	U	0.152	U	0.108	U	0.103	U	0.0953	U	0.0895	U
SW-846 6020A	Arsenic	mg/kg	1.61		4.29		1.26		1.74		1.7		2.51	
SW-846 6020A	Barium	mg/kg	51.1		85.6		35.8		37.1		25.9		25.4	
SW-846 6020A	Beryllium	mg/Kg	0.369		0.649		0.403		0.449		0.35		0.348	
SW-846 6020A	Cadmium	mg/kg	0.103	J	0.32	J	0.0637	J	0.0921	J	0.0452	J	0.0541	J
SW-846 6020A	Calcium	mg/kg	2180		3860		1100		1580		868	J	840	J
SW-846 6020A	Chromium	mg/Kg	12.8		19.8		13		13.5		13.9		10.8	
SW-846 6020A	Cobalt	mg/kg	8.89		13.1		9.77		9.27		9.25		8.34	
SW-846 6020A	Copper	mg/kg	12.5		25.5		9.1		9.81		9.33		8.21	
SW-846 6020A	IRON	mg/kg	21000		30100		22400		24400		22200		24900	
SW-846 6020A	Lead	mg/Kg	9.19		20.2		9.21		10.5		6.98		6.94	
SW-846 6020A	Magnesium	mg/kg	5970		7880		6600		6850		6840		6480	
SW-846 6010C	Manganese	mg/kg	438		413		261		329		302		308	
SW-846 7471B	Mercury	mg/Kg	0.289	U	0.359	U	0.261	U	0.247	U	0.225	U	0.21	U
SW-846 6020A	Nickel	mg/Kg	20.5		28.5		21.4		21.5		19.4		19.4	
SW-846 6020A	Potassium	mg/kg	1160		1830		1080		1110		916		879	
SW-846 6020A	Selenium	mg/Kg	0.175	J	0.503	J	0.128	U	0.122	U	0.113	U	0.106	U
SW-846 6020A	Silver	mg/Kg	0.0408	J	0.135	J	0.0256	U	0.0287	J	0.0226	U	0.0212	U
SW-846 6020A	Sodium	mg/kg	115	U	178		102	U	97.7	U	903	U	848	U
SW-846 6020A	Thallium	mg/Kg	0.0672	J	0.126	J	0.0545	J	0.0496	J	0.045	J	0.0387	J
SW-846 6020A	Vanadium	mg/kg	12.6		21.5		13.9		13.3		13.2		12.5	
SW-846 6020A	Zinc	mg/Kg	78.2		126		77.5		70.2		55.1		49.3	
SW-846 8082A	Aroclor 1016	ug/kg												
SW-846 8082A	Aroclor 1221	ug/kg												
SW-846 8082A	Aroclor 1232	ug/kg												
SW-846 8082A	Aroclor 1242	ug/kg												
SW-846 8082A	Aroclor 1248	ug/kg												
SW-846 8082A	Aroclor 1254	ug/kg												
SW-846 8082A	Aroclor 1260	ug/kg												
SW-846 8082A	Aroclor-1262	ug/kg												
SW-846 8082A	Aroclor-1268	ug/kg												
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U

		Location	TR01_D		TR01_D		TR01_D		TR01_D		TR01_E		TR01_E	
		Field Sample ID	CVX-0004-13		CVX-0004-14		CVX-0004-15		CVX-0004-16		CVX-0004-17		CVX-0004-18	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	5	U	6	U	4	U	5	U	4	U	3	U
SW-846 8260C	2-Hexanone	ug/Kg	4	U	5	U	3	U	4	U	3	U	2	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	4	U	5	U	3	U	4	U	3	U	2	U
SW-846 8260C	Acetone	ug/kg	53		67		11	J	22	J	6	U	6	U
SW-846 8260C	Benzene	ug/kg	0.6	U	0.8	U	0.5	U	0.6	U	0.5	U	0.4	U
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Bromoform	ug/kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	3	U	3	U	2	U	2	U	2	U	2	U
SW-846 8260C	Carbon Disulfide	ug/kg	9		8		4	J	3	J	1	J	0.8	U
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Chlorobenzene	ug/kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Chloroethane	ug/Kg	3	U	3	U	2	U	2	U	2	U	2	U
SW-846 8260C	Chloroform	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	3	U	3	U	2	U	2	U	2	U	2	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Ethylbenzene	ug/kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	3	U	3	U	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Toluene	ug/kg	1	U	3	J	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8260C	Xylenes, Total	ug/kg	1	U	2	U	1	U	1	U	0.9	U	0.8	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	7		4		0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	1	J	6		0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	Anthracene	ug/kg	29		18		2	J	1	J	0.8	U	0.7	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	95		56		10		6		3		0.7	U
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	110		67		12		8		4		0.7	U
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	100		60		12		9		4		0.7	U
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	83		41		9		7		3		0.7	U
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	100		59		12		7		4		0.7	U
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	79		44		9		7		3		0.7	U
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	56		120		0.9	U	5		2	J	0.7	U
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	95		52		9		6		3		0.7	U
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	5		7		0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	2	J	5		0.9	J	0.9	J	0.8	U	0.7	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	1	U	1	U	0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	1	U	1	U	0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	1	U	1	U	0.9	U	0.8	U	0.8	U	0.7	U

		Location	TR01_D		TR01_D		TR01_D		TR01_D		TR01_E		TR01_E	
		Field Sample ID	CVX-0004-13		CVX-0004-14		CVX-0004-15		CVX-0004-16		CVX-0004-17		CVX-0004-18	
		Sample Date	8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014		8/19/2014	
		Sample Delivery Group	1497485		1497485		1497485		1497485		1497485		1497485	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	3		8		0.9	U	1	J	1	J	0.7	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	17		23		3		4		2	J	0.7	U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	6		1	U	0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	1	U	1	U	0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	3		9		2	J	2	J	1	J	0.7	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	9		12		2		2		1	J	0.7	U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	1	U	1	U	0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	2	J	6		0.9	U	1	J	0.8	J	0.7	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	1	U	1	U	0.9	U	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	Chrysene	ug/kg	120		69		13		9		4		0.7	U
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	19		11		2		2	J	0.8	U	0.7	U
SW-846 8270D SIM modified	Fluoranthene	ug/kg	300		170		23		19		7		0.7	U
SW-846 8270D SIM modified	Fluorene	ug/kg	10		13		1	J	0.8	J	0.8	U	0.7	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	92		48		10		7		3		0.7	U
SW-846 8270D SIM modified	Naphthalene	ug/kg	2	J	3	J	2	J	0.8	U	0.8	U	0.7	U
SW-846 8270D SIM modified	Perylene	ug/kg	49		43		9		25		9		0.7	J
SW-846 8270D SIM modified	Phenanthrene	ug/kg	150		110		7		5		3		0.7	U
SW-846 8270D SIM modified	Pyrene	ug/kg	190		100		15		13		5		0.7	U

		Location	TR02_A		TR02_A		TR02_B		TR02_C		TR02_D		TR02_D	
		Field Sample ID	CVX-0001-01		CVX-0001-02		CVX-0005-01		CVX-0005-04		CVX-0005-05		CVX-0005-06	
		Sample Date	8/14/2014		8/14/2014		8/20/2014		8/20/2014		8/20/2014		8/20/2014	
		Sample Delivery Group	1496370		1496370		1497631		1497631		1497631		1497631	
		Sample Depth	0-0.5 FT		0.5-1 FT		0-0.5 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	21600		4860		2330		8090		10400		3560	
SM 2540 G	Moisture	%	42.4		31.7		24.8		29		42.8		24.9	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	0.63	U	0.63	U	0.71	J	0.63	U	0.63	U	0.63	U
SW-846 6010C	Cadmium	UMOLES/G	0.000558	J	0.000543	J	0.000334	J	0.000463	J	0.000586	J	0.000436	J
SW-846 6010C	Copper	UMOLES/G	0.0373		0.0447		0.0374		0.0321		0.0324		0.035	
SW-846 6010C	Lead	UMOLES/G	0.0156	J+	0.0205	J+	0.018		0.0202		0.022		0.0209	
SW-846 6010C	Nickel	UMOLES/G	0.0167		0.0233		0.0223		0.0294		0.0269		0.0263	
SW-846 6010C	Silver	UMOLES/G	0.00043	U	0.000425	U	0.000421	U	0.00043	U	0.000439	U	0.000427	U
SW-846 6010C	Zinc	UMOLES/G	0.158	UJ	0.146	UJ	0.14		0.165		0.176		0.166	
SW-846 6020A	Aluminum	mg/kg	6290		9120		13400		12700		17300		13300	
SW-846 6020A	Antimony	mg/Kg	0.0836	U	0.0836	U	0.109	U	0.115	U	0.146	U	0.112	U
SW-846 6020A	Arsenic	mg/Kg	1.43	J	2.34		1.79		2.51		2.97		2.72	
SW-846 6020A	Barium	mg/kg	29.3	J+	44.2		48.1		67.1		66.1		51.2	
SW-846 6020A	Beryllium	mg/Kg	0.241	J+	0.385		0.402		0.558		0.563		0.438	
SW-846 6020A	Cadmium	mg/kg	0.079	J	0.105	J	0.0814	J	0.142	J	0.142	J	0.099	J
SW-846 6020A	Calcium	mg/kg	1560	J	2250	J-	3470		3860		2370		1520	
SW-846 6020A	Chromium	mg/Kg	6.7	J	11.8		13		15		16.8		13.4	
SW-846 6020A	Cobalt	mg/kg	5.18	J+	9.94		9.37		10.9		11.2		9.15	
SW-846 6020A	Copper	mg/kg	7.13	J+	11		10.5		13.3		14.6		10.6	
SW-846 6020A	IRON	mg/kg	10600		15300		22800		19800		26000		21700	
SW-846 6020A	Lead	mg/Kg	5.26	J+	7.95		9		10.5		11.5		8.85	
SW-846 6020A	Magnesium	mg/kg	2620	J	5270		6190		6550		6740		5690	
SW-846 6010C	Manganese	mg/kg	145		188		327		332		379		274	
SW-846 7471B	Mercury	mg/Kg	0.0099	U	0.0098	U	0.0126	U	0.0137	U	0.0167	U	0.0132	U
SW-846 6020A	Nickel	mg/Kg	10	J+	19.1		20.9		23.6		23.7		19.9	
SW-846 6020A	Potassium	mg/kg	398	J	670		1090		1160		1210		999	
SW-846 6020A	Selenium	mg/Kg	0.313	J	0.405	J	0.193	J	0.275	J	0.385	J	0.25	J
SW-846 6020A	Silver	mg/Kg	0.0263	J	0.0198	U	0.0315	J	0.0406	J	0.0382	J	0.0266	U
SW-846 6020A	Sodium	mg/kg	70	J	69.2	J	103	U	109	U	138	U	107	U
SW-846 6020A	Thallium	mg/Kg	0.0491	J	0.0493	J	0.0617	J	0.0913	J	0.0971	J	0.0895	J
SW-846 6020A	Vanadium	mg/kg	6.75	J+	11.1		14		16.2		17.5		14	
SW-846 6020A	Zinc	mg/Kg	34.5		45.1		63.5		73.7		77		61.2	
SW-846 8082A	Aroclor 1016	ug/kg												
SW-846 8082A	Aroclor 1221	ug/kg												
SW-846 8082A	Aroclor 1232	ug/kg												
SW-846 8082A	Aroclor 1242	ug/kg												
SW-846 8082A	Aroclor 1248	ug/kg												
SW-846 8082A	Aroclor 1254	ug/kg												
SW-846 8082A	Aroclor 1260	ug/kg												
SW-846 8082A	Aroclor-1262	ug/kg												
SW-846 8082A	Aroclor-1268	ug/kg												
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	0.9	U		R		R		R	1	U	1	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U

		Location	TR02_A		TR02_A		TR02_B		TR02_C		TR02_D		TR02_D	
		Field Sample ID	CVX-0001-01		CVX-0001-02		CVX-0005-01		CVX-0005-04		CVX-0005-05		CVX-0005-06	
		Sample Date	8/14/2014		8/14/2014		8/20/2014		8/20/2014		8/20/2014		8/20/2014	
		Sample Delivery Group	1496370		1496370		1497631		1497631		1497631		1497631	
		Sample Depth	0-0.5 FT		0.5-1 FT		0-0.5 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	4	U	3	U	4	U	5	U	6	U	4	UJ
SW-846 8260C	2-Hexanone	ug/Kg	3	U		R	3	U	4	U	4	U	3	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	3	U	2	U	3	U	4	U	4	U	3	U
SW-846 8260C	Acetone	ug/kg	45		20		9	J	24		32		26	
SW-846 8260C	Benzene	ug/kg	0.5	U	0.4	U	0.5	U	0.6	U	0.7	U	0.5	U
SW-846 8260C	Bromodichloromethane	ug/kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	Bromoform	ug/kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U	2	U	2	U	2	U	3	U	2	U
SW-846 8260C	Carbon Disulfide	ug/kg	2	J	0.8	U	0.9	U	1	U	1	U	1	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	Chlorobenzene	ug/kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8260C	Chloroethane	ug/Kg	2	U	2	U	2	U	2	U	3	U	2	U
SW-846 8260C	Chloroform	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U	2	U	2	U	2	U	3	U	2	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	Dibromochloromethane	ug/Kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8260C	Ethylbenzene	ug/kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U	2	U	2	U	2	U	3	U	2	U
SW-846 8260C	Styrene	ug/Kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/Kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8260C	Toluene	ug/kg	0.9	U		R	1	J	1	U	1	U	1	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	0.9	U	0.8	U	0.9	U	1	U	1	U	1	U
SW-846 8260C	Xylenes, Total	ug/kg	0.9	U		R	0.9	U	1	U	1	U	1	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	Anthracene	ug/kg	0.7	U	0.7	U	1	J	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	0.7	UJ	0.7	U	7		3		1	U	0.9	U
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	0.7	UJ	0.7	U	10		4		1	U	0.9	U
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	0.8	J	0.7	U	12		5		1	J	0.9	U
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	0.7	UJ	0.7	U	9		3		1	U	0.9	U
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	0.7	J	0.7	U	10		4		1	U	0.9	U
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	0.7	UJ	0.7	U	9		3		1	U	0.9	U
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	0.7	UJ	0.7	U	4		2	J	1	U	0.9	U
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	0.9	J	0.7	U	7		2	J	1	U	0.9	U
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	0.7	U	0.7	U	1	J	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	0.7	UJ	0.7	U	2	J	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U

		Location	TR02_A		TR02_A		TR02_B		TR02_C		TR02_D		TR02_D	
		Field Sample ID	CVX-0001-01		CVX-0001-02		CVX-0005-01		CVX-0005-04		CVX-0005-05		CVX-0005-06	
		Sample Date	8/14/2014		8/14/2014		8/20/2014		8/20/2014		8/20/2014		8/20/2014	
		Sample Delivery Group	1496370		1496370		1497631		1497631		1497631		1497631	
		Sample Depth	0-0.5 FT		0.5-1 FT		0-0.5 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	0.7	U	0.7	U	1	J	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	J	0.7	U	3		2	J	1	U	0.9	U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	0.7	UJ	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	0.7	U	0.7	U	1	J	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	0.7	U	0.7	U	2		0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	0.7	UJ	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	Chrysene	ug/kg	0.9	J	0.7	U	12		5		1	U	0.9	U
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	0.7	UJ	0.7	U	1	J	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	Fluoranthene	ug/kg	2	J-	0.7	U	21	J-	7	J-	2	J	0.9	UJ
SW-846 8270D SIM modified	Fluorene	ug/kg	0.7	U	0.7	U	0.9	U	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	0.7	UJ	0.7	U	9		4		1	U	0.9	U
SW-846 8270D SIM modified	Naphthalene	ug/kg	0.7	U	0.7	U	1	J	0.9	U	1	U	0.9	U
SW-846 8270D SIM modified	Perylene	ug/kg	55	J-	99		23		55		610		21	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	0.8	J	0.7	U	8		3		1	U	0.9	U
SW-846 8270D SIM modified	Pyrene	ug/kg	1	J	0.7	U	17		6		2	J	0.9	U

		Location	TR02_E		TR02_E		TR02_E		TR02_E		TR03_C		TR03_C	
		Field Sample ID	CVX-0005-07		CVX-0005-08		CVX-0005-09		CVX-0005-10		CVX-0011-12		CVX-0011-13	
		Sample Date	8/20/2014		8/20/2014		8/20/2014		8/20/2014		8/27/2014		8/27/2014	
		Sample Delivery Group	1497631		1497631		1497631		1497631		1499492		1499492	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.75 FT		0-0.5 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	38300		64400		16800		5720		2650	J	929	J
SM 2540 G	Moisture	%	67.6		72.3		36.9		27.4		18.3		16.9	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	5.8		5.6		0.8	J	0.63	U	1.6	J	0.63	U
SW-846 6010C	Cadmium	UMOLES/G	0.00186	J	0.000722	J	0.000703	J	0.000451	J	0.000511	J	0.000419	J
SW-846 6010C	Copper	UMOLES/G	0.0223		0.0201		0.0227		0.0272		0.0743		0.0582	
SW-846 6010C	Lead	UMOLES/G	0.0663		0.0286		0.0216		0.0206		0.0629	J	0.0348	J
SW-846 6010C	Nickel	UMOLES/G	0.0347		0.0249		0.02		0.0256		0.068		0.0746	
SW-846 6010C	Silver	UMOLES/G	0.000426	U	0.000423	U	0.000438	U	0.000421	U	0.000427	U	0.000425	U
SW-846 6010C	Zinc	UMOLES/G	0.457		0.229		0.18		0.168		0.198		0.16	
SW-846 6020A	Aluminum	mg/kg	22300		26500		14600		13500		11700		10200	
SW-846 6020A	Antimony	mg/Kg	0.258	U	0.325	J	0.13	U	0.115	U	0.102	U	0.0967	U
SW-846 6020A	Arsenic	mg/kg	6.1		6.48		2.31		1.72		3.04		3.3	
SW-846 6020A	Barium	mg/kg	142		169		66.7		55.3		28.8		35.3	
SW-846 6020A	Beryllium	mg/Kg	1.1		1.19		0.527		0.395		0.432		0.474	
SW-846 6020A	Cadmium	mg/kg	0.693		0.629	J	0.171	J	0.0648	J	0.0727	J	0.0857	J
SW-846 6020A	Calcium	mg/kg	5670		6750		2260		1070		3120		2920	
SW-846 6020A	Chromium	mg/Kg	26		32.3		16		13.5		25		26.2	
SW-846 6020A	Cobalt	mg/kg	16.8		18.5		10.9		9.7		10.6		8.87	
SW-846 6020A	Copper	mg/kg	44.4		57.4		13.6		8.86		13.8		14.7	
SW-846 6020A	IRON	mg/kg	27100		34300		22700		22500		26900		24200	
SW-846 6020A	Lead	mg/Kg	52.2		50.4		10.5		7.49		12.7		16.7	
SW-846 6020A	Magnesium	mg/kg	7160		8400		6330		6620		8040		7250	
SW-846 6010C	Manganese	mg/kg	732		1040		316		283		341		297	
SW-846 7471B	Mercury	mg/Kg	0.0849	J	0.107	J	0.0148	U	0.0128	U	0.0121	U	0.0117	U
SW-846 6020A	Nickel	mg/Kg	36.3		42.2		22.5		21.9		29.2		28.4	
SW-846 6020A	Potassium	mg/kg	1990		2300		1170		1080		757		820	
SW-846 6020A	Selenium	mg/Kg	1.02	J	1.03	J	0.373	J	0.136	U	0.121	U	0.115	U
SW-846 6020A	Silver	mg/Kg	0.318	J	0.368	J	0.0308	U	0.0273	U	0.0242	U	0.0229	U
SW-846 6020A	Sodium	mg/kg	244	U	283	U	123	U	109	U	74.2	J	63.9	J
SW-846 6020A	Thallium	mg/Kg	0.213	J	0.299	J	0.0987	J	0.0651	J	0.0475	J	0.0432	J
SW-846 6020A	Vanadium	mg/kg	30.1		34.5		15.4		13.4		14.7		13.5	
SW-846 6020A	Zinc	mg/Kg	174		204		71.7		63.3		72.8		60.3	
SW-846 8082A	Aroclor 1016	ug/kg	11	UJ	13	UJ	5.7	UJ	5	UJ	4.3	U	4.3	U
SW-846 8082A	Aroclor 1221	ug/kg	14	UJ	17	UJ	7.3	UJ	6.3	UJ	5.5	U	5.4	U
SW-846 8082A	Aroclor 1232	ug/kg	25	UJ	29	UJ	13	UJ	11	UJ	9.6	U	9.5	U
SW-846 8082A	Aroclor 1242	ug/kg	10	UJ	12	UJ	5.2	UJ	4.5	UJ	4	U	3.9	U
SW-846 8082A	Aroclor 1248	ug/kg	10	UJ	12	UJ	5.2	UJ	4.5	UJ	4	U	3.9	U
SW-846 8082A	Aroclor 1254	ug/kg	10	UJ	12	UJ	5.2	UJ	4.5	UJ	4	U	3.9	U
SW-846 8082A	Aroclor 1260	ug/kg	15	UJ	18	UJ	7.8	UJ	6.7	UJ	5.9	U	5.8	U
SW-846 8082A	Aroclor-1262	ug/kg	10	UJ	12	UJ	5.2	UJ	4.5	UJ	4	U	3.9	U
SW-846 8082A	Aroclor-1268	ug/kg	10	UJ	12	UJ	5.2	UJ	4.5	UJ	4	U	3.9	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg		R		R		R	1	U		R	1	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U

		Location	TR02_E		TR02_E		TR02_E		TR02_E		TR03_C		TR03_C	
		Field Sample ID	CVX-0005-07		CVX-0005-08		CVX-0005-09		CVX-0005-10		CVX-0011-12		CVX-0011-13	
		Sample Date	8/20/2014		8/20/2014		8/20/2014		8/20/2014		8/27/2014		8/27/2014	
		Sample Delivery Group	1497631		1497631		1497631		1497631		1499492		1499492	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.75 FT		0-0.5 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	43		49		7	U	4	UJ	4	U	4	U
SW-846 8260C	2-Hexanone	ug/Kg	9	U	13	U	5	U	3	U	3	U	3	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	9	U	13	U	5	U	3	U	3	U	3	U
SW-846 8260C	Acetone	ug/kg	490	J+	490		49		12	J	11	J	10	J
SW-846 8260C	Benzene	ug/kg	2	U	2	U	0.8	U	0.5	U	0.5	U	0.5	U
SW-846 8260C	Bromodichloromethane	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Bromoform	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	6	U	9	U	3	U	2	U	2	U	2	U
SW-846 8260C	Carbon Disulfide	ug/kg	19		30		4	J	2	J	18		15	
SW-846 8260C	Carbon Tetrachloride	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Chlorobenzene	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Chloroethane	ug/Kg	6	U	9	U	3	U	2	U	2	U	2	U
SW-846 8260C	Chloroform	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	6	U	9	U	3	U	2	U	2	U	2	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Dibromochloromethane	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Ethylbenzene	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	6	U	9	U	3	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Toluene	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8260C	Xylenes, Total	ug/kg	3	U	4	U	2	U	1	U	1	U	1	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	2	U	2	U	1	U	0.9	U	2	J	1	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	2	J	2	U	1	U	0.9	U	2	J	7	J
SW-846 8270D SIM modified	Anthracene	ug/kg	5	J	3	J	1	U	0.9	U	5	J	11	J
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	32	J-	26	J-	1	U	0.9	U	22	J	39	J
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	52	J-	54	J-	2	J	0.9	U	21		35	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	51	J-	42	J-	1	U	0.9	U	21		39	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	35	J-	28	J-	1	U	0.9	U	15		23	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	41	J-	34	J-	1	U	0.9	U	17	J	29	J
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	35	J-	29	J-	1	U	0.9	U	16		27	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	45	J-	44	J-	1	U	0.9	U	16	J	31	J
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	27	J-	22	J-	1	U	0.9	U	28	J	49	J
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	5	J	2	U	1	U	0.9	U	4		7	
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	2	J	2	U	1	U	0.9	U	2	J	3	
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	2	UJ	2	UJ	1	U	0.9	U	18	J	43	J
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	2	UJ	2	UJ	1	U	0.9	U	9	J	18	J
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	2	U	2	U	1	U	0.9	U	0.8	UJ	5	J

		Location	TR02_E		TR02_E		TR02_E		TR02_E		TR03_C		TR03_C	
		Field Sample ID	CVX-0005-07		CVX-0005-08		CVX-0005-09		CVX-0005-10		CVX-0011-12		CVX-0011-13	
		Sample Date	8/20/2014		8/20/2014		8/20/2014		8/20/2014		8/27/2014		8/27/2014	
		Sample Delivery Group	1497631		1497631		1497631		1497631		1499492		1499492	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-2.75 FT		0-0.5 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	3	J	2	J	1	U	0.9	U	3		6	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	12	J-	9	J-	1	U	0.9	U	20		32	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	2	UJ	2	UJ	1	U	0.9	U	5		9	
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	2	U	2	U	1	U	0.9	U	20		14	
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	3	J	2	U	1	U	0.9	U	5		8	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	7	J-	6	J-	1	U	0.9	U	28		25	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	2	UJ	2	UJ	1	U	0.9	U	0.8	U	0.8	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	2	U	2	U	1	U	0.9	U	18		12	
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	2	UJ	2	UJ	1	U	0.9	U	0.8	U	0.8	U
SW-846 8270D SIM modified	Chrysene	ug/kg	50	J-	42	J-	1	U	0.9	U	26		44	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	7	J-	6	J	1	U	0.9	U	4		6	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	90	J-	78	J-	1	UJ	0.9	UJ	49		82	
SW-846 8270D SIM modified	Fluorene	ug/kg	3	J	3	J	1	U	0.9	U	3		4	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	38	J-	31	J-	1	U	0.9	U	15		25	
SW-846 8270D SIM modified	Naphthalene	ug/kg	3	J	2	U	1	U	0.9	U	1	J	3	
SW-846 8270D SIM modified	Perylene	ug/kg	86	J-	55	J-	230		19		8		12	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	37	J-	31	J-	1	U	0.9	U	24		41	
SW-846 8270D SIM modified	Pyrene	ug/kg	76	J-	60	J-	1	U	0.9	U	48		76	

		Location	TR04_C		TR04_C		TR04_C		TR04_C		TR04_C		TR05_A	
		Field Sample ID	CVX-0007-01		CVX-0007-02		CVX-0007-03		CVX-0007-04		CVX-0007-05		CVX-0011-05	
		Sample Date	8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/27/2014	
		Sample Delivery Group	1498092		1498092		1498092		1498092		1498092		1499492	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		2-3 Ft		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	46800	J	42300		41800		44900	J	19400	J	8190	
SM 2540 G	Moisture	%	67		59.6		60.4		53.7		59.1		26.1	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	6.6		1.2	J	7.2		1.2	J	1.4	J	0.63	U
SW-846 6010C	Cadmium	UMOLES/G	0.000751	J	0.00104	J	0.00133	J	0.00111	J	0.00113	J	0.000252	J
SW-846 6010C	Copper	UMOLES/G	0.063		0.063		0.0263		0.0552		0.0525		0.0241	
SW-846 6010C	Lead	UMOLES/G	0.0268		0.0386		0.0512		0.0433		0.0405		0.0156	
SW-846 6010C	Nickel	UMOLES/G	0.0332		0.027		0.0318		0.0199		0.0208		0.00565	J
SW-846 6010C	Silver	UMOLES/G	0.000436	U	0.000423	U	0.000427	U	0.00042	U	0.000426	U	0.000427	U
SW-846 6010C	Zinc	UMOLES/G	0.237		0.325		0.443		0.274		0.29		0.0226	
SW-846 6020A	Aluminum	mg/kg	22800		17800		16500		13800		20200		15700	
SW-846 6020A	Antimony	mg/Kg	0.248	U	0.285	J	0.216	J	0.179	U	0.202	U	0.11	U
SW-846 6020A	Arsenic	mg/kg	4.08		3.75		5.01		3.67		3.71		2.58	
SW-846 6020A	Barium	mg/kg	111		97.6		104		68.2		76.4		66	
SW-846 6020A	Beryllium	mg/Kg	0.986		1.02		0.921		0.635		0.788		0.692	
SW-846 6020A	Cadmium	mg/kg	0.444	J	0.478	J	0.526		0.451		0.323	J	0.0843	J
SW-846 6020A	Calcium	mg/kg	5130		3960		6290		3740		3340		2230	
SW-846 6020A	Chromium	mg/Kg	25.9		21.6		20.4		15.5		20.3		16.6	
SW-846 6020A	Cobalt	mg/kg	16.9		13.8		12.2		12.5		15.1		8.71	
SW-846 6020A	Copper	mg/kg	39.1		32.9		34.1		21.6		20.9		10.1	
SW-846 6020A	IRON	mg/kg	36200		26600		26300		25000		34500		19900	
SW-846 6020A	Lead	mg/Kg	31.2		33.5		34.7		28.8		30.9		12.4	
SW-846 6020A	Magnesium	mg/kg	9970		6930		6350		6610		9970		5500	
SW-846 6010C	Manganese	mg/kg	828		569		600		448		472		248	
SW-846 7471B	Mercury	mg/Kg	0.0643	J	0.0507	J	0.0784	J	0.0805	J	0.0404	J	0.0132	J
SW-846 6020A	Nickel	mg/Kg	38.8		29.1		26.2		24.5		33.8		19.1	
SW-846 6020A	Potassium	mg/kg	2010		1670		1520		1060		1570		953	
SW-846 6020A	Selenium	mg/Kg	0.464	J	0.559	J	0.705	J	0.534	J	0.333	J	0.378	J
SW-846 6020A	Silver	mg/Kg	0.213	J	0.221	J	0.354	J	0.206	J	0.0917	J	0.0606	J
SW-846 6020A	Sodium	mg/kg	154	J	111	J	136	J	227	J	87.5	J	115	
SW-846 6020A	Thallium	mg/Kg	0.174	J	0.14	J	0.155	J	0.102	J	0.112	J	0.133	J
SW-846 6020A	Vanadium	mg/kg	27.3		23.1		23.1		17.9		22.8		21	
SW-846 6020A	Zinc	mg/Kg	161		143		153		113		133		61.6	
SW-846 8082A	Aroclor 1016	ug/kg	11	U	8.8	U	9.1	U	7.6	U	8.7	U		
SW-846 8082A	Aroclor 1221	ug/kg	14	U	11	U	12	U	9.8	U	11	U		
SW-846 8082A	Aroclor 1232	ug/kg	24	U	20	U	20	U	17	U	19	U		
SW-846 8082A	Aroclor 1242	ug/kg	10	U	8.1	U	8.3	U	7	U	8	U		
SW-846 8082A	Aroclor 1248	ug/kg	10	U	8.1	U	8.3	U	7	U	8	U		
SW-846 8082A	Aroclor 1254	ug/kg	11	J	9.3	J	9.5	J	16	J	14	J		
SW-846 8082A	Aroclor 1260	ug/kg	15	U	12	U	12	U	10	U	12	U		
SW-846 8082A	Aroclor-1262	ug/kg	10	U	8.1	U	8.3	U	7	U	8	U		
SW-846 8082A	Aroclor-1268	ug/kg	10	U	8.1	U	8.3	U	7	U	8	U		
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg		R		R		R		R		R	1	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	4	U	3	U	4	U	2	U	3	U	1	U

		Location	TR04_C		TR04_C		TR04_C		TR04_C		TR04_C		TR05_A	
		Field Sample ID	CVX-0007-01		CVX-0007-02		CVX-0007-03		CVX-0007-04		CVX-0007-05		CVX-0011-05	
		Sample Date	8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/27/2014	
		Sample Delivery Group	1498092		1498092		1498092		1498092		1498092		1499492	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		2-3 Ft		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	23	J	11	U	17	U	10	U	11	UJ	5	U
SW-846 8260C	2-Hexanone	ug/Kg		R	8	U	13	U	7	U	8	U	4	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	12	U	8	U	13	U	7	U	8	U	4	U
SW-846 8260C	Acetone	ug/kg	300	J+	100		230		95	J+	140		18	J
SW-846 8260C	Benzene	ug/kg	2	U	1	U	2	U	1	U	1	U	0.6	U
SW-846 8260C	Bromodichloromethane	ug/kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Bromoform	ug/kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	8	U	6	U	8	U	5	U	5	U	3	U
SW-846 8260C	Carbon Disulfide	ug/kg	26		7	J	20	J	9	J	10	J	1	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Chlorobenzene	ug/kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Chloroethane	ug/Kg	8	U	6	U	8	U	5	U	5	U	3	U
SW-846 8260C	Chloroform	ug/Kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	8	U	6	U	8	U	5	U	5	U	3	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Dibromochloromethane	ug/Kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Ethylbenzene	ug/kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	8	U	6	U	8	U	5	U	5	U	3	U
SW-846 8260C	Styrene	ug/Kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Tetrachloroethene	ug/Kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Toluene	ug/kg	8	J	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	4	U	3	U	4	U	2	U	3	U	5	J
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	4	U	3	U	4	U	2	U	3	U	1	U
SW-846 8260C	Xylenes, Total	ug/kg		R	3	U	4	U	2	U	3	U	1	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	2	U	3	J	3	J	3	J	2	J	0.9	U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	5	J	5		5		9		6		0.9	U
SW-846 8270D SIM modified	Anthracene	ug/kg	7		12		7		12		7		0.9	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	38		71		23		38		22		2	J
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	58		86		36		43		28		2	J
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	59		86		25		35		20		3	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	42		60		20		26		17		2	J
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	44		70		25		31		23		2	J
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	41		59		20		27		18		2	J
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	27		50		2	U	39		23		0.9	J
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	41		58		35		51		29		0.9	U
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	2	U	2	U	2	U	1	U	2	U	0.9	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	2	J	2	J	2	J	8		2	J	0.9	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	32		46		54		33		0.9	J
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	2	U	17		2	U	1	U	2	U	0.9	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	2	U	2	U	2	U	1	U	2	U	0.9	U

		Location	TR04_C		TR04_C		TR04_C		TR04_C		TR04_C		TR05_A	
		Field Sample ID	CVX-0007-01		CVX-0007-02		CVX-0007-03		CVX-0007-04		CVX-0007-05		CVX-0011-05	
		Sample Date	8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/21/2014		8/27/2014	
		Sample Delivery Group	1498092		1498092		1498092		1498092		1498092		1499492	
		Sample Depth	0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		2-3 Ft		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	2	U	7		17		22		13		0.9	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	17		24		27		42	J	20	J	0.9	U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	6		6		2	U	1	U	2	U	0.9	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	2	U	2	U	2	U	1	U	2	U	0.9	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	12		2	U	11		1	U	2	U	0.9	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	11		11		15		22		13		0.9	U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	2	U	2	U	2	U	1	U	2	U	0.9	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	9		6		7		10		11		0.9	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	2	U	2	U	1	U	2	U	0.9	U
SW-846 8270D SIM modified	Chrysene	ug/kg	59		92		34		45		29		3	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	7	J+	14	J+	4	J+	6	J+	3	J	0.9	U
SW-846 8270D SIM modified	Fluoranthene	ug/kg	130		180		66		88		59		6	
SW-846 8270D SIM modified	Fluorene	ug/kg	3	J	6		4	J	4		3	J	0.9	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	46		67		21		28		18		2	J
SW-846 8270D SIM modified	Naphthalene	ug/kg	2	J	2	J	2	J	5		2	J	0.9	U
SW-846 8270D SIM modified	Perylene	ug/kg	24		36		35		42		47		5	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	57		80		33		61	J	29	J	2	J
SW-846 8270D SIM modified	Pyrene	ug/kg	73		120		48		70		44		4	

		Location	TR05_A		TR05_A		TR05_A		TR05_B		TR05_B		TR05_C	
		Field Sample ID	CVX-0011-06		CVX-0011-07		CVX-0011-08		CVX-0010-19		CVX-0010-20		CVX-0011-10	
		Sample Date	8/27/2014		8/27/2014		8/27/2014		8/26/2014		8/26/2014		8/27/2014	
		Sample Delivery Group	1499492		1499492		1499492		1499124		1499124		1499492	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	499		1150		1230		515		108	U	101000	J
SM 2540 G	Moisture	%	20.9		22.3		17.3		9.7		7.4		79.3	J
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	0.63	U	0.63	U	0.63	U	0.66	J	0.63	U	5.2	J
SW-846 6010C	Cadmium	UMOLES/G	0.000212	J	0.000246	J	0.00101	J	0.00217	U	0.00213	U	0.00104	J
SW-846 6010C	Copper	UMOLES/G	0.0115		0.0076	J	0.026		0.16		0.142		0.0254	J
SW-846 6010C	Lead	UMOLES/G	0.0165		0.0126	J-	0.0103		0.0236		0.0236		0.0335	J
SW-846 6010C	Nickel	UMOLES/G	0.00389	J	0.00859		0.0767		0.138		0.0849		0.0311	J
SW-846 6010C	Silver	UMOLES/G	0.00042	U	0.000431	U	0.000419	U	0.00043	U	0.000421	U	0.000427	UJ
SW-846 6010C	Zinc	UMOLES/G	0.0155		0.033		0.072		0.312		0.33		0.216	J
SW-846 6020A	Aluminum	mg/kg	16700		17800		11400		10000		9800		28300	J
SW-846 6020A	Antimony	mg/Kg	0.106	U	0.108	UJ	0.0981	U	0.102	J	0.103	J	0.388	UJ
SW-846 6020A	Arsenic	mg/Kg	4.66		7.33		6.39		3.47		3.14		9.86	J
SW-846 6020A	Barium	mg/kg	58.5		173	J	82.5		61.2		35.3		178	J
SW-846 6020A	Beryllium	mg/Kg	0.684		0.641		0.54		0.57		0.592		1.32	J
SW-846 6020A	Cadmium	mg/kg	0.0739	J	0.502		0.35		0.0841	J	0.106	J	0.784	J
SW-846 6020A	Calcium	mg/kg	1200		1580	J-	1560		13300		18100		7620	J
SW-846 6020A	Chromium	mg/Kg	24.7		31.7	J-	26.9		37.6		24.8		44.1	J
SW-846 6020A	Cobalt	mg/kg	10.6		12.1	J	9.06		10.1		10.1		20.4	J
SW-846 6020A	Copper	mg/kg	10.3		15.3		13.7		18.9		21.4		55.3	J
SW-846 6020A	IRON	mg/kg	28600		32000		24200		23500		21300		47600	J
SW-846 6020A	Lead	mg/Kg	14.2		12.7	J-	8.94		10.4		9.68		49	J
SW-846 6020A	Magnesium	mg/kg	6500		6880	J	4400		8900		9100		9820	J
SW-846 6010C	Manganese	mg/kg	334		2270	J	1480		929		583		1500	J
SW-846 7471B	Mercury	mg/Kg	0.0228	J	0.0327	J	0.0317	J	0.0109	U	0.0119	J	0.137	J
SW-846 6020A	Nickel	mg/Kg	26.3		35.7	J-	29.4		32.7		24.4		49.4	J
SW-846 6020A	Potassium	mg/kg	881		1200	J	747		1200		1240		2500	J
SW-846 6020A	Selenium	mg/Kg	0.146	J	0.127	U	0.116	U	0.135	J	0.151	J	1.63	J
SW-846 6020A	Silver	mg/Kg	0.0337	J	0.0661	J	0.0607	J	0.0217	U	0.0326	J	0.307	J
SW-846 6020A	Sodium	mg/kg	95.3	J	90	J	79.3	J	86.9	U	83.1	U	411	J
SW-846 6020A	Thallium	mg/Kg	0.0999	J	0.148	J	0.0884	J	0.0663	J	0.0605	J	0.296	J
SW-846 6020A	Vanadium	mg/kg	23.2		21.8	J+	16.6		14.1		15		35.7	J
SW-846 6020A	Zinc	mg/Kg	66.5		67.4		55.4		63.6		64.1		217	J
SW-846 8082A	Aroclor 1016	ug/kg												
SW-846 8082A	Aroclor 1221	ug/kg												
SW-846 8082A	Aroclor 1232	ug/kg												
SW-846 8082A	Aroclor 1242	ug/kg												
SW-846 8082A	Aroclor 1248	ug/kg												
SW-846 8082A	Aroclor 1254	ug/kg												
SW-846 8082A	Aroclor 1260	ug/kg												
SW-846 8082A	Aroclor-1262	ug/kg												
SW-846 8082A	Aroclor-1268	ug/kg												
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U		R
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	1,1-Dichloroethane	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ

		Location	TR05_A		TR05_A		TR05_A		TR05_B		TR05_B		TR05_C	
		Field Sample ID	CVX-0011-06		CVX-0011-07		CVX-0011-08		CVX-0010-19		CVX-0010-20		CVX-0011-10	
		Sample Date	8/27/2014		8/27/2014		8/27/2014		8/26/2014		8/26/2014		8/27/2014	
		Sample Delivery Group	1499492		1499492		1499492		1499124		1499124		1499492	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	5	U	4	U	6	J	4	U	3	U	19	J
SW-846 8260C	2-Hexanone	ug/Kg	4	U	3	U	3	U	3	U	2	U	14	UJ
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	4	U	3	U	3	U	3	U	2	U	14	UJ
SW-846 8260C	Acetone	ug/kg	17	J	13	J	63		6	U	5	U	220	J
SW-846 8260C	Benzene	ug/kg	0.6	U	0.5	U	0.5	U	0.5	U	0.4	U	2	UJ
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Bromoform	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U	2	U	2	U	2	U	2	U	9	UJ
SW-846 8260C	Carbon Disulfide	ug/kg	1	U	1	U	1	J	15		1	J	18	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Chlorobenzene	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Chloroethane	ug/Kg	2	U	2	U	2	U	2	U	2	U	9	UJ
SW-846 8260C	Chloroform	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U	2	U	2	U	2	U	2	U	9	UJ
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Ethylbenzene	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U	2	U	2	U	2	U	2	U	9	UJ
SW-846 8260C	Styrene	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Toluene	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U	6	J
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	2	J	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8260C	Xylenes, Total	ug/kg	1	U	1	U	1	U	0.9	U	0.8	U	5	UJ
SW-846 8270D SIM modified	Acenaphthene	ug/kg	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	4	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	0.8	U	0.8	U	0.8	U	1	J	0.7	U	3	UJ
SW-846 8270D SIM modified	Anthracene	ug/kg	1	J	0.8	U	0.8	U	3		0.7	U	6	J
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	4		0.8	U	0.8	U	11		0.7	U	30	J
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	4		0.8	U	0.8	U	9		0.7	U	31	J
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	4		0.8	U	0.8	U	8		0.7	U	42	J
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	3		0.8	U	0.8	U	6		0.7	U	27	J
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	3		0.8	U	0.8	U	8		0.7	U	28	J
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	3		0.8	U	0.8	U	6		0.7	U	30	J
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	1	J	0.8	U	0.8	U	8		0.7	U	26	J
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	3		0.8	U	0.8	U	13		0.7	U	29	J
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	0.8	U	0.8	U	0.8	U	2		0.7	U	4	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	0.8	U	0.8	U	0.8	U	0.8	J	0.7	U	3	UJ
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	1	J	0.8	U	0.8	U	17		0.7	U	25	J
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ

		Location	TR05_A		TR05_A		TR05_A		TR05_B		TR05_B		TR05_C	
		Field Sample ID	CVX-0011-06		CVX-0011-07		CVX-0011-08		CVX-0010-19		CVX-0010-20		CVX-0011-10	
		Sample Date	8/27/2014		8/27/2014		8/27/2014		8/26/2014		8/26/2014		8/27/2014	
		Sample Delivery Group	1499492		1499492		1499492		1499124		1499124		1499492	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	0.8	U	0.8	U	0.8	U	2	J	0.7	U	5	J
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	U	0.8	U	0.8	U	10		0.7	U	16	J
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	0.8	U	0.8	U	0.8	U	1	J	0.7	U	3	UJ
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	0.8	U	0.8	U	0.8	U	2		0.7	U	5	J
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	U	0.8	U	0.8	U	5		0.7	U	14	J
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	0.8	U	0.8	U	0.8	U	2		0.7	U	6	J
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	Chrysene	ug/kg	5		0.8	U	0.8	U	11		0.7	U	47	J
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	0.8	U	0.8	U	0.8	U	2	J	0.7	U	6	J
SW-846 8270D SIM modified	Fluoranthene	ug/kg	10		1	J	0.8	U	28		1	J	92	J
SW-846 8270D SIM modified	Fluorene	ug/kg	0.8	U	0.8	U	0.8	U	1	J	0.7	U	6	J
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	3		0.8	U	0.8	U	7		0.7	U	27	J
SW-846 8270D SIM modified	Naphthalene	ug/kg	0.8	U	0.8	U	0.8	U	0.7	U	0.7	U	3	UJ
SW-846 8270D SIM modified	Perylene	ug/kg	1	J	0.8	U	0.8	U	5		1	J	60	J
SW-846 8270D SIM modified	Phenanthrene	ug/kg	3		0.8	U	0.8	U	21		0.7	U	42	J
SW-846 8270D SIM modified	Pyrene	ug/kg	8		0.9	J	0.8	U	21		0.8	J	69	J

		Location	TR05_C		TR05_D		TR05_D		TR05_D		TR05_D		TR05_E	
		Field Sample ID	CVX-0011-11		CVX-0010-08		CVX-0010-09		CVX-0010-10		CVX-0010-11		CVX-0010-01	
		Sample Date	8/27/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
		Sample Delivery Group	1499492		1499124		1499124		1499124		1499124		1499124	
		Sample Depth	0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	42400		40500		35500		41500		14900		42900	
SM 2540 G	Moisture	%	62.2		64.6		62.5		63.5		45.2		63.8	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	4.2		12		9.6		6.8		4.8		13.1	
SW-846 6010C	Cadmium	UMOLES/G	0.000907	J	0.00215	U	0.0022	U	0.00217	U	0.00246		0.00215	U
SW-846 6010C	Copper	UMOLES/G	0.0316		0.0389		0.0428		0.105		0.105		0.043	
SW-846 6010C	Lead	UMOLES/G	0.0319		0.0318		0.0462		0.0549		0.071		0.0526	
SW-846 6010C	Nickel	UMOLES/G	0.0583		0.0495		0.063		0.0682		0.0691		0.071	
SW-846 6010C	Silver	UMOLES/G	0.00043	U	0.000426	U	0.000658	J	0.00043	U	0.000433	U	0.000426	U
SW-846 6010C	Zinc	UMOLES/G	0.219		0.401		0.565		0.559		0.481		0.563	
SW-846 6020A	Aluminum	mg/kg	13100		19900		21800		22800		17400		23500	
SW-846 6020A	Antimony	mg/Kg	0.223	U	0.236	U	0.259	J	0.329	J	0.151	U	0.235	J
SW-846 6020A	Arsenic	mg/Kg	6.03		6.27		6.19		6.96		5.03		10.9	
SW-846 6020A	Barium	mg/kg	83.5		117		132		155		92.1		151	
SW-846 6020A	Beryllium	mg/Kg	0.606		0.9		0.951		1.1		0.669		1.02	
SW-846 6020A	Cadmium	mg/kg	0.423	J	0.601		0.73		0.806		0.425		0.603	
SW-846 6020A	Calcium	mg/kg	4200		6920		6780		6530		3460		6370	
SW-846 6020A	Chromium	mg/Kg	28.3		26.2		27.7		31.1		24.3		29.5	
SW-846 6020A	Cobalt	mg/kg	9.71		18.5		16.5		18		14.5		15.8	
SW-846 6020A	Copper	mg/kg	27.7		41.4		53.5		51.5		27.7		49.6	
SW-846 6020A	IRON	mg/kg	23500		29800		28400		34000		29900		34400	
SW-846 6020A	Lead	mg/Kg	20.5		37.4		40.2		48.7		36.7		47.4	
SW-846 6020A	Magnesium	mg/kg	5110		7900		8010		9560		8520		8110	
SW-846 6010C	Manganese	mg/kg	707		699		718		807		611		587	
SW-846 7471B	Mercury	mg/Kg	0.0605	J	0.0888	J	0.0928	J	0.122	J	0.0551	J	0.117	J
SW-846 6020A	Nickel	mg/Kg	27.8		34.2		34.9		39.4		31.9		35.6	
SW-846 6020A	Potassium	mg/kg	1080		1890		1830		2210		1600		2050	
SW-846 6020A	Selenium	mg/Kg	0.808	J	0.752	J	0.851	J	0.945	J	0.316	J	1.12	J
SW-846 6020A	Silver	mg/Kg	0.118	J	0.417	J	1.26		0.752		0.156	J	0.61	
SW-846 6020A	Sodium	mg/kg	211	J	224	U	213	U	217	U	143	U	492	
SW-846 6020A	Thallium	mg/Kg	0.112	J	0.181	J	0.222	J	0.249	J	0.162	J	0.2	J
SW-846 6020A	Vanadium	mg/kg	17		22.3		25.8		30.3		20.6		29.8	
SW-846 6020A	Zinc	mg/Kg	92.6		178		199		221		135		193	
SW-846 8082A	Aroclor 1016	ug/kg											9.9	U
SW-846 8082A	Aroclor 1221	ug/kg											13	U
SW-846 8082A	Aroclor 1232	ug/kg											22	U
SW-846 8082A	Aroclor 1242	ug/kg											9.1	U
SW-846 8082A	Aroclor 1248	ug/kg											9.1	U
SW-846 8082A	Aroclor 1254	ug/kg											9.1	U
SW-846 8082A	Aroclor 1260	ug/kg											14	U
SW-846 8082A	Aroclor-1262	ug/kg											9.1	U
SW-846 8082A	Aroclor-1268	ug/kg											9.1	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	3	U		R		R		R	2	U	3	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	3	U	3	U	3	U	4	U	2	U	3	U

		Location	TR05_C		TR05_D		TR05_D		TR05_D		TR05_D		TR05_E	
		Field Sample ID	CVX-0011-11		CVX-0010-08		CVX-0010-09		CVX-0010-10		CVX-0010-11		CVX-0010-01	
		Sample Date	8/27/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
		Sample Delivery Group	1499492		1499124		1499124		1499124		1499124		1499124	
		Sample Depth	0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	14	J	13	U	14	U	17	U	8	U	22	J
SW-846 8260C	2-Hexanone	ug/Kg	9	U	10	U	10	U	13	U	6	U	10	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	9	U	10	U	10	U	13	U	6	U	10	U
SW-846 8260C	Acetone	ug/kg	180		120		120		110		37	J	180	
SW-846 8260C	Benzene	ug/kg	1	U	2	U	2	U	2	U	1	U	3	J
SW-846 8260C	Bromodichloromethane	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Bromoform	ug/kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	6	U	6	U	7	U	8	U	4	U	7	U
SW-846 8260C	Carbon Disulfide	ug/kg	17		26		13	J	18	J	5	J	20	
SW-846 8260C	Carbon Tetrachloride	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Chlorobenzene	ug/kg	3	U	3	U	3	U	4	U	2	U	16	J
SW-846 8260C	Chloroethane	ug/Kg	6	U	6	U	7	U	8	U	4	U	7	U
SW-846 8260C	Chloroform	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	6	U	6	U	7	U	8	U	4	U	7	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Dibromochloromethane	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Ethylbenzene	ug/kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	6	U	6	U	7	U	8	U	4	U	7	U
SW-846 8260C	Styrene	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Tetrachloroethene	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Toluene	ug/kg	6	J	5	J	5	J	5	J	2	U	7	J
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	3	U	3	U	3	U	4	U	2	U	3	U
SW-846 8260C	Xylenes, Total	ug/kg	3	U	3	U	3	U	4	U	2	U	5	J
SW-846 8270D SIM modified	Acenaphthene	ug/kg	2	J	3	J	3	J	2	UJ	2	J	7	
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	2	UJ	2	U	2	U	2	UJ	3		2	U
SW-846 8270D SIM modified	Anthracene	ug/kg	5		6	J-	6		4	J	6	J-	3	J
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	16		37	J-	29		19	J-	27	J-	13	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	17		43	J-	32		20	J-	27	J-	13	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	24		46	J-	42		19	J-	25	J-	13	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	13		35	J-	29		17	J-	20	J-	10	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	16		44	J-	29		21	J-	26	J-	14	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	19		36	J-	36		20	J-	21	J-	10	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	9		2	UJ	49		2	UJ	21	J-	10	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	14		36	J-	28		20	J-	36		12	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	2	J	4	J	3	J	2	J	4		14	
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	2	UJ	2	J	2	U	2	UJ	3	J	10	
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	41	J-	19		14	J-	29	J-	9	
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	2	U	2	UJ	2	U	2	UJ	12	J-	2	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	2	UJ	2	U	2	U	2	UJ	1	U	2	U

		Location	TR05_C		TR05_D		TR05_D		TR05_D		TR05_D		TR05_E	
		Field Sample ID	CVX-0011-11		CVX-0010-08		CVX-0010-09		CVX-0010-10		CVX-0010-11		CVX-0010-01	
		Sample Date	8/27/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
		Sample Delivery Group	1499492		1499124		1499124		1499124		1499124		1499124	
		Sample Depth	0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	3	J	3	J	3	J	3	J	5		23	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	7		15	J-	12		12	J-	24	J-	6	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	2	U	2	UJ	2	U	2	UJ	3	J-	2	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	2	UJ	2	U	2	U	2	UJ	1	U	2	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	2	J	5		4	J	4	J	7		13	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	6		10	J-	11		8	J-	12	J-	5	J
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	2	U	2	UJ	2	U	2	UJ	1	UJ	2	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	3	J	4	J	4	J	3	J	5		13	
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	2	UJ	2	U	2	UJ	1	UJ	2	U
SW-846 8270D SIM modified	Chrysene	ug/kg	24		53	J-	42		25	J-	33	J-	18	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	3	J	6	J-	7		4	J	5	J-	3	J
SW-846 8270D SIM modified	Fluoranthene	ug/kg	48		110	J-	92		52	J-	62		37	
SW-846 8270D SIM modified	Fluorene	ug/kg	3	J	5		5		3	J	3	J	5	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	15		38	J-	29		18	J-	22	J-	11	
SW-846 8270D SIM modified	Naphthalene	ug/kg	3	J	2	J	2	U	2	UJ	3	J	2	U
SW-846 8270D SIM modified	Perylene	ug/kg	34		27	J-	23		20	J-	35	J-	12	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	25		51	J-	38		22	J-	26	J-	14	
SW-846 8270D SIM modified	Pyrene	ug/kg	35		75	J-	59		35	J-	47	J-	26	

		Location	TR05_E		TR05_E		TR05_E		TR05_E		TR06_A		TR06_A	
		Field Sample ID	CVX-0010-02		CVX-0010-03		CVX-0010-04		CVX-0010-05		CVX-0011-01		CVX-0011-02	
		Sample Date	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/27/2014		8/27/2014	
		Sample Delivery Group	1499124		1499124		1499124		1499124		1499492		1499492	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		2-3 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	37600		214	J	401		373		24400		54300	
SM 2540 G	Moisture	%	68.4		16		12.8		11.5		63.6		62.7	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	0.88	J	0.63	U	0.63	U	0.63	U	9.3		0.84	J
SW-846 6010C	Cadmium	UMOLES/G	0.00217	U	0.00217	U	0.00217	U	0.00219	U	0.00116	J	0.000498	J
SW-846 6010C	Copper	UMOLES/G	0.104		0.137		0.134		0.125		0.0315		0.0215	
SW-846 6010C	Lead	UMOLES/G	0.0409		0.0376		0.0374		0.0364		0.0611		0.0302	
SW-846 6010C	Nickel	UMOLES/G	0.0646		0.0611		0.0606		0.0576		0.0492		0.0189	
SW-846 6010C	Silver	UMOLES/G	0.000429	U	0.00043	U	0.00043	U	0.000433	U	0.000437	U	0.000423	U
SW-846 6010C	Zinc	UMOLES/G	0.211		0.158		0.157		0.15		0.394		0.108	
SW-846 6020A	Aluminum	mg/kg	24200		20400		17100		19900		15700		17700	
SW-846 6020A	Antimony	mg/Kg	0.286	J	0.116	J	0.106	J	0.135	J	0.227	U	0.226	U
SW-846 6020A	Arsenic	mg/kg	8.59		4.59		5.59		5.73		6.03		5.91	
SW-846 6020A	Barium	mg/kg	166		53.3		53.8		63		90.4		101	
SW-846 6020A	Beryllium	mg/Kg	1.12		0.523		0.461		0.559		0.679		0.786	
SW-846 6020A	Cadmium	mg/kg	0.719		0.052	J	0.0935	J	0.122	J	0.571		0.61	
SW-846 6020A	Calcium	mg/kg	11800		582		575		647		5410		6820	
SW-846 6020A	Chromium	mg/Kg	31.5		16.6		16		18.7		20		21.7	
SW-846 6020A	Cobalt	mg/kg	16.2		12.1		11.1		12.4		11.3		12.8	
SW-846 6020A	Copper	mg/kg	46.4		21.9		22.3		24.5		62.4		59	
SW-846 6020A	IRON	mg/kg	33100		33700		30700		34100		26300		28000	
SW-846 6020A	Lead	mg/Kg	46.7		12.1		13.8		15.2		37.5		41.8	
SW-846 6020A	Magnesium	mg/kg	8430		7030		7000		7560		6010		7060	
SW-846 6010C	Manganese	mg/kg	643		511		562		574		597		601	
SW-846 7471B	Mercury	mg/Kg	0.114	J	0.0123	J	0.0194	J	0.0164	J	0.719		0.728	
SW-846 6020A	Nickel	mg/Kg	34.6		27.9		25.5		29		27.8		30.2	
SW-846 6020A	Potassium	mg/kg	2240		1110		1090		1180		1210		1370	
SW-846 6020A	Selenium	mg/Kg	0.944	J	0.132	J	0.111	U	0.113	U	0.806	J	0.893	J
SW-846 6020A	Silver	mg/Kg	0.593	J	0.0229	U	0.0223	U	0.0226	U	0.501	J	0.747	
SW-846 6020A	Sodium	mg/kg	574		134		130		137		290		336	
SW-846 6020A	Thallium	mg/Kg	0.258	J	0.0981	J	0.0954	J	0.103	J	0.135	J	0.166	J
SW-846 6020A	Vanadium	mg/kg	28.2		17.2		15.3		16.5		21.3		23.2	
SW-846 6020A	Zinc	mg/Kg	206		68.4		65.9		70.5		153		173	
SW-846 8082A	Aroclor 1016	ug/kg	11	U	4.3	U	4.1	U	4.1	U				
SW-846 8082A	Aroclor 1221	ug/kg	15	U	5.5	U	5.3	U	5.2	U				
SW-846 8082A	Aroclor 1232	ug/kg	25	U	9.5	U	9.2	U	9	U				
SW-846 8082A	Aroclor 1242	ug/kg	10	U	3.9	U	3.8	U	3.7	U				
SW-846 8082A	Aroclor 1248	ug/kg	10	U	3.9	U	3.8	U	3.7	U				
SW-846 8082A	Aroclor 1254	ug/kg	14	J	3.9	U	3.8	U	3.7	U				
SW-846 8082A	Aroclor 1260	ug/kg	16	U	5.8	U	5.6	U	5.5	U				
SW-846 8082A	Aroclor-1262	ug/kg	10	U	3.9	U	3.8	U	3.7	U				
SW-846 8082A	Aroclor-1268	ug/kg	10	U	3.9	U	3.8	U	3.7	U				
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	3	U	0.9	U	0.9	U	0.8	U	38		41	
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	3	U	0.9	U	0.9	U	0.8	U	130		140	

		Location	TR05_E		TR05_E		TR05_E		TR05_E		TR06_A		TR06_A	
		Field Sample ID	CVX-0010-02		CVX-0010-03		CVX-0010-04		CVX-0010-05		CVX-0011-01		CVX-0011-02	
		Sample Date	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/27/2014		8/27/2014	
		Sample Delivery Group	1499124		1499124		1499124		1499124		1499492		1499492	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		2-3 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	34		51	
SW-846 8260C	1,2-Dichloroethane	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	11	U	4	U	3	U	3	U	24	J	12	U
SW-846 8260C	2-Hexanone	ug/Kg	8	U	3	U	3	U	2	U	10	U	9	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	8	U	3	U	3	U	2	U	10	U	9	U
SW-846 8260C	Acetone	ug/kg	50	J	7	U	6	J	6	U	220		70	
SW-846 8260C	Benzene	ug/kg	8	J	1	J	0.8	J	0.8	J	33		18	
SW-846 8260C	Bromodichloromethane	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Bromoform	ug/kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	6	U	2	U	2	U	2	U	7	U	6	U
SW-846 8260C	Carbon Disulfide	ug/kg	11	J	3	J	1	J	0.9	J	20		7	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Chlorobenzene	ug/kg	7	J	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Chloroethane	ug/Kg	6	U	2	U	2	U	2	U	26		6	J
SW-846 8260C	Chloroform	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	6	U	2	U	2	U	2	U	7	U	6	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	34		39	
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Dibromochloromethane	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Ethylbenzene	ug/kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	6	U	2	U	2	U	2	U	7	U	6	U
SW-846 8260C	Styrene	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Tetrachloroethene	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	10	J	10	J
SW-846 8260C	Toluene	ug/kg	5	J	0.9	U	0.9	U	0.8	U	3	J	3	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	4	J	3	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	51		53	
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	3	U	0.9	U	0.9	U	0.8	U	37		43	
SW-846 8260C	Xylenes, Total	ug/kg	4	J	0.9	U	0.9	U	0.8	U	3	U	3	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	17		3		0.8	U	1	J	120	J-	5	
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	3	J	0.8	U	0.8	U	0.8	U	5	J-	4	J
SW-846 8270D SIM modified	Anthracene	ug/kg	5	J	0.8	U	0.8	U	0.8	U	140	J-	15	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	18		0.8	U	0.8	U	0.8	U	390	J-	100	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	20		0.8	U	0.8	U	0.8	U	380	J-	130	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	20		0.8	U	0.8	U	0.8	U	350	J-	140	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	15		0.8	U	0.8	U	0.8	U	220	J-	86	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	18		0.8	U	0.8	U	0.8	U	310	J-	100	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	17		0.8	U	0.8	U	0.8	U	260	J-	96	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	18		0.8	U	0.8	U	0.8	U	150	J-	47	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	27		0.8	U	0.8	U	0.8	U	280	J-	67	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	36		7		8		11		24	J-	3	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	14		0.9	J	0.8	U	0.8	U	22	J-	2	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	36		0.8	U	0.8	U	0.8	U	190	J-	31	
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	2	U	0.8	U	0.8	U	0.8	U	50	J-	16	
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	2	U	4		4		5		9	J-	2	U

		Location	TR05_E		TR05_E		TR05_E		TR05_E		TR06_A		TR06_A	
		Field Sample ID	CVX-0010-02		CVX-0010-03		CVX-0010-04		CVX-0010-05		CVX-0011-01		CVX-0011-02	
		Sample Date	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/27/2014		8/27/2014	
		Sample Delivery Group	1499124		1499124		1499124		1499124		1499492		1499492	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		2-3 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Field Duplicate		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	39		0.8	U	0.8	U	0.8	U	17	J-	2	J
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	23		0.8	U	0.8	U	0.8	U	87	J-	19	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	3	J	0.8	U	0.8	U	0.8	U	2	UJ	2	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	2	U	0.8	U	0.8	U	0.8	U	2	UJ	2	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	35		7		6		8		15	J-	2	J
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	11		0.8	U	0.8	U	0.8	U	30	J-	10	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	2	U	0.8	U	0.8	U	0.8	U	2	UJ	2	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	26		8		7		8		10	J-	2	J
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	0.8	U	0.8	U	0.8	U	2	UJ	2	U
SW-846 8270D SIM modified	Chrysene	ug/kg	25		0.8	J	0.8	U	0.8	U	430	J-	140	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	4	J	0.8	U	0.8	U	0.8	U	53	J-	20	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	46		2	J	0.8	U	0.8	U	1300	J-	240	
SW-846 8270D SIM modified	Fluorene	ug/kg	12		1	J	0.8	U	0.8	U	89	J-	6	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	17		0.8	U	0.8	U	0.8	U	260	J-	100	
SW-846 8270D SIM modified	Naphthalene	ug/kg	3	J	0.8	U	0.8	U	0.8	U	58	J-	2	U
SW-846 8270D SIM modified	Perylene	ug/kg	23		7		2	J	2		89	J-	35	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	26		0.8	U	0.8	U	0.8	U	770	J-	100	
SW-846 8270D SIM modified	Pyrene	ug/kg	41		2	J	0.8	U	0.8	J	800	J-	180	

		Location	TR06_A		TR06_A		TR06_B		TR06_B		TR06_B		TR06_C	
		Field Sample ID	CVX-0011-03		CVX-0011-04		CVX-0010-12		CVX-0010-13		CVX-0010-14		CVX-0010-06	
		Sample Date	8/27/2014		8/27/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
		Sample Delivery Group	1499492		1499492		1499124		1499124		1499124		1499124	
		Sample Depth	1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	1250		2110		2470		1550		1890		13300	
SM 2540 G	Moisture	%	24.2		21.5		22.4		17		17		51.8	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	2.9	
SW-846 6010C	Cadmium	UMOLES/G	0.00061	J	0.00226		0.00221	U	0.00218	U	0.0022	U	0.00214	U
SW-846 6010C	Copper	UMOLES/G	0.024		0.0856		0.0745		0.0888		0.097		0.0892	
SW-846 6010C	Lead	UMOLES/G	0.024		0.0215		0.0214		0.0318		0.0269		0.0433	
SW-846 6010C	Nickel	UMOLES/G	0.0193		0.0709		0.132		0.152		0.192		0.062	
SW-846 6010C	Silver	UMOLES/G	0.000422	U	0.000421	U	0.000437	U	0.000431	U	0.000435	U	0.000423	U
SW-846 6010C	Zinc	UMOLES/G	0.0657		0.102		0.244		0.239		0.293		0.366	
SW-846 6020A	Aluminum	mg/kg	16400		18600		12200		12300		13900		20300	
SW-846 6020A	Antimony	mg/Kg	0.108	U	0.108	J	0.107	U	0.101	U	0.158	J	0.26	J
SW-846 6020A	Arsenic	mg/Kg	4.76		17.5		3.14		4.77		4.38		9.47	
SW-846 6020A	Barium	mg/kg	119		244		46.8		54.3		55.2		143	
SW-846 6020A	Beryllium	mg/Kg	0.709		0.857		0.388		0.515		0.591		0.924	
SW-846 6020A	Cadmium	mg/kg	0.145	J	0.276		0.0585	J	0.0681	J	0.0896	J	0.552	
SW-846 6020A	Calcium	mg/kg	1190		2040		2170		2900		4520		4300	
SW-846 6020A	Chromium	mg/Kg	19.3		30.6		35.3		40.5		55.7		30.1	
SW-846 6020A	Cobalt	mg/kg	12.7		12.9		9.21		12.1		12.2		18.1	
SW-846 6020A	Copper	mg/kg	12.5		24		12		16.8		20.2		37.3	
SW-846 6020A	IRON	mg/kg	28800		40400		21700		22500		25400		35600	
SW-846 6020A	Lead	mg/Kg	13.1		15.7		8.39		11.8		13		41.5	
SW-846 6020A	Magnesium	mg/kg	5840		5910		6640		8120		8780		9550	
SW-846 6010C	Manganese	mg/kg	528		2530		271		274		423		955	
SW-846 7471B	Mercury	mg/Kg	0.0218	J	0.0266	J	0.0144	J	0.0237	J	0.0378	J	0.0763	J
SW-846 6020A	Nickel	mg/Kg	24.7		30.6		31.1		39.4		47.4		37.2	
SW-846 6020A	Potassium	mg/kg	1380		1720		1020		1360		1380		2110	
SW-846 6020A	Selenium	mg/Kg	0.231	J	0.332	J	0.296	J	0.308	J	0.287	J	0.711	J
SW-846 6020A	Silver	mg/Kg	0.061	J	0.12	J	0.0253	U	0.0287	J	0.0366	J	0.146	J
SW-846 6020A	Sodium	mg/kg	104		107		101	U	95.4	U	95.4	U	163	U
SW-846 6020A	Thallium	mg/Kg	0.139	J	0.248		0.0691	J	0.0801	J	0.0756	J	0.228	J
SW-846 6020A	Vanadium	mg/kg	21.8		30.3		13		12.6		15.5		24.6	
SW-846 6020A	Zinc	mg/Kg	64.6		76.9		57.5		77.1		75.5		151	
SW-846 8082A	Aroclor 1016	ug/kg												
SW-846 8082A	Aroclor 1221	ug/kg												
SW-846 8082A	Aroclor 1232	ug/kg												
SW-846 8082A	Aroclor 1242	ug/kg												
SW-846 8082A	Aroclor 1248	ug/kg												
SW-846 8082A	Aroclor 1254	ug/kg												
SW-846 8082A	Aroclor 1260	ug/kg												
SW-846 8082A	Aroclor-1262	ug/kg												
SW-846 8082A	Aroclor-1268	ug/kg												
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	4	J	6		1	U	0.8	U	1	U	2	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	26		18		1	U	0.8	U	1	U	2	U

		Location	TR06_A		TR06_A		TR06_B		TR06_B		TR06_B		TR06_C	
		Field Sample ID	CVX-0011-03		CVX-0011-04		CVX-0010-12		CVX-0010-13		CVX-0010-14		CVX-0010-06	
		Sample Date	8/27/2014		8/27/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
		Sample Delivery Group	1499492		1499492		1499124		1499124		1499124		1499124	
		Sample Depth	1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	14		12		1	U	0.8	U	1	U	2	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	4	U	5	U	4	U	3	U	5	U	26	
SW-846 8260C	2-Hexanone	ug/Kg	3	U	4	U	3	U	3	U	3	U	5	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	3	U	4	U	3	U	3	U	3	U	5	U
SW-846 8260C	Acetone	ug/kg	8	U	11	J	15	J	10	J	11	J	260	
SW-846 8260C	Benzene	ug/kg	1	J	1	J	0.5	U	0.4	U	0.6	U	0.9	U
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Bromoform	ug/kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U	3	U	2	U	2	U	2	U	3	U
SW-846 8260C	Carbon Disulfide	ug/kg	4	J	2	J	8		8		6		12	
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Chlorobenzene	ug/kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Chloroethane	ug/Kg	2	U	3	U	2	U	2	U	2	U	3	U
SW-846 8260C	Chloroform	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U	3	U	2	U	2	U	2	U	3	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	6		6	J	1	U	0.8	U	1	U	2	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Ethylbenzene	ug/kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U	3	U	2	U	2	U	2	U	3	U
SW-846 8260C	Styrene	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Toluene	ug/kg	1	U	1	U	1	U	0.8	U	1	U	4	J
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	6		8		1	U	0.8	U	1	U	2	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	3	J	1	U	1	U	0.8	U	1	U	2	U
SW-846 8260C	Xylenes, Total	ug/kg	1	U	1	U	1	U	0.8	U	1	U	2	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	2	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	3	J
SW-846 8270D SIM modified	Anthracene	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	5	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	3		2	J	3		2	J	2	J	31	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	3		1	J	3		2	J	2	J	31	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	3		1	J	3		2	J	1	J	32	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	2		1	J	2	J	2	J	1	J	21	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	3		1	J	2		2	J	2	J	26	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	3		1	J	2	J	1	J	1	J	24	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	1	J	0.9	J	2	J	2		2	J	22	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	2		1	J	3		4		3		33	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	3	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	3	J
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	1	J	0.9	J	2	J	3		3		27	
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	11	
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	1	U

		Location	TR06_A		TR06_A		TR06_B		TR06_B		TR06_B		TR06_C	
		Field Sample ID	CVX-0011-03		CVX-0011-04		CVX-0010-12		CVX-0010-13		CVX-0010-14		CVX-0010-06	
		Sample Date	8/27/2014		8/27/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014	
		Sample Delivery Group	1499492		1499492		1499124		1499124		1499124		1499124	
		Sample Depth	1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	5	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	1	J	0.8	U	2	J	3		3		18	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	4	
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	1	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	J	0.8	U	6	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	0.9	U	0.8	U	2	J	2		0.8	U	10	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	1	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	5	
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	1	U
SW-846 8270D SIM modified	Chrysene	ug/kg	4		2	J	3		2		2	J	37	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	0.9	U	0.8	U	0.9	U	0.9	J	0.8	U	5	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	7		3		6		4		4		69	
SW-846 8270D SIM modified	Fluorene	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	3	J
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	3		1	J	2		2	J	1	J	24	
SW-846 8270D SIM modified	Naphthalene	ug/kg	0.9	U	0.8	U	0.9	U	0.8	U	0.8	U	4	
SW-846 8270D SIM modified	Perylene	ug/kg	1	J	1	J	9		5		7		62	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	2		1	J	2		2		2	J	31	
SW-846 8270D SIM modified	Pyrene	ug/kg	6		3		4		4		3		54	

		Location	TR06_C		TR06_D		TR06_D		TR06_D		TR06_D		TR06_E	
		Field Sample ID	CVX-0010-07		CVX-0010-15		CVX-0010-16		CVX-0010-17		CVX-0010-18		CVX-0009-16	
		Sample Date	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/25/2014	
		Sample Delivery Group	1499124		1499124		1499124		1499124		1499124		1498701	
		Sample Depth	0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	2790		7620		23200		9290		12800		20400	
SM 2540 G	Moisture	%	18.6		36.1		47.9		48.2		39.5		62.9	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	6.5		2.4		4.6		2	J	3.3		5.9	
SW-846 6010C	Cadmium	UMOLES/G	0.00218	U	0.00224		0.00217	U	0.00219	U	0.00219	U	0.00152	J
SW-846 6010C	Copper	UMOLES/G	0.0613		0.101		0.0923		0.105	J-	0.0853		0.0753	
SW-846 6010C	Lead	UMOLES/G	0.0428		0.0712		0.0476		0.0502	J-	0.0519		0.0452	
SW-846 6010C	Nickel	UMOLES/G	0.0753		0.0702		0.0686		0.0696		0.0652		0.0662	
SW-846 6010C	Silver	UMOLES/G	0.000431	U	0.000426	U	0.000429	U	0.000434	UJ	0.000433	U	0.00043	U
SW-846 6010C	Zinc	UMOLES/G	0.42		0.466		0.429		0.426		0.412		0.421	J
SW-846 6020A	Aluminum	mg/kg	13600		17100		19600		16600		17500		21600	
SW-846 6020A	Antimony	mg/Kg	0.102	U	0.172	J	0.186	J	0.163	U	0.143	J	0.225	U
SW-846 6020A	Arsenic	mg/Kg	2.82		5.81		6		5.32	J+	3.95		6.18	
SW-846 6020A	Barium	mg/kg	44.1		95.9		121		94		99.8		113	
SW-846 6020A	Beryllium	mg/Kg	0.487		0.732		0.791		0.68		0.578		0.968	
SW-846 6020A	Cadmium	mg/kg	0.0689	J	0.537		0.428		0.274	J	0.289	J	0.665	
SW-846 6020A	Calcium	mg/kg	1370		3370		2800		3270	J	2160		5250	
SW-846 6020A	Chromium	mg/Kg	16		21.4		23.1		20.8		18.4		27.3	
SW-846 6020A	Cobalt	mg/kg	12		13.4		14.5		13.8		12.2		13.6	
SW-846 6020A	Copper	mg/kg	15.2		28.3		27.5		21.1	J+	20.4		43.4	
SW-846 6020A	IRON	mg/kg	28300		28100		30500		31700		26800		28300	
SW-846 6020A	Lead	mg/Kg	13.1		36.4		32.6		24.8		25.5		40.8	
SW-846 6020A	Magnesium	mg/kg	7850		7210		7490		7730		6400		7480	
SW-846 6010C	Manganese	mg/kg	378		597		641		659		590		564	
SW-846 7471B	Mercury	mg/Kg	0.0116	U	0.0687	J	0.0675	J	0.0575	J	0.0638	J	0.504	U
SW-846 6020A	Nickel	mg/Kg	27.6		27.6		29.4		28.3	J+	24.9		33.4	
SW-846 6020A	Potassium	mg/kg	1110		1320		1580		1480		1400		1780	
SW-846 6020A	Selenium	mg/Kg	0.124	J	0.442	J	0.679	J	0.511	J	0.432	J	0.937	J
SW-846 6020A	Silver	mg/Kg	0.0241	U	0.134	J	0.137	J	0.0765	J	0.0805	J	0.445	J
SW-846 6020A	Sodium	mg/kg	96.4	U	124	U	151	U	154	U	128	U	256	
SW-846 6020A	Thallium	mg/Kg	0.0642	J	0.169	J	0.187	J	0.147	J	0.173	J	0.213	J
SW-846 6020A	Vanadium	mg/kg	14.5		19.9		22.6		19.9	J	20.8		28	
SW-846 6020A	Zinc	mg/Kg	107		121		127		110		105		266	
SW-846 8082A	Aroclor 1016	ug/kg			5.6	U	6.9	U	6.9	U	6	U		
SW-846 8082A	Aroclor 1221	ug/kg			7.2	U	8.8	U	8.9	U	7.6	U		
SW-846 8082A	Aroclor 1232	ug/kg			13	U	15	U	15	U	13	U		
SW-846 8082A	Aroclor 1242	ug/kg			5.2	U	6.3	U	6.4	U	5.5	U		
SW-846 8082A	Aroclor 1248	ug/kg			5.2	U	6.3	U	6.4	U	5.5	U		
SW-846 8082A	Aroclor 1254	ug/kg			8.7	J	6.3	U	6.4	U	9.6	J		
SW-846 8082A	Aroclor 1260	ug/kg			7.7	U	9.4	U	9.5	U	8.1	U		
SW-846 8082A	Aroclor-1262	ug/kg			5.2	U	6.3	U	6.4	U	5.5	U		
SW-846 8082A	Aroclor-1268	ug/kg			5.2	U	6.3	U	6.4	U	5.5	U		
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	2	U	2	U		R	2	U	2	U		R
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	2	U	2	U	2	U	2	U	2	U	2	U

		Location	TR06_C		TR06_D		TR06_D		TR06_D		TR06_D		TR06_E	
		Field Sample ID	CVX-0010-07		CVX-0010-15		CVX-0010-16		CVX-0010-17		CVX-0010-18		CVX-0009-16	
		Sample Date	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/25/2014	
		Sample Delivery Group	1499124		1499124		1499124		1499124		1499124		1498701	
		Sample Depth	0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	7	U	6	U	8	U	7	U	7	U	11	J
SW-846 8260C	2-Hexanone	ug/Kg	5	U	5	U	6	U	6	U	5	U	7	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	5	U	5	U	6	U	6	U	5	U	7	U
SW-846 8260C	Acetone	ug/kg	25	J	26	J	44		30	J	38		130	
SW-846 8260C	Benzene	ug/kg	0.9	U	0.8	U	1	U	0.9	U	0.8	U	1	U
SW-846 8260C	Bromodichloromethane	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Bromoform	ug/kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	4	U	3	U	4	U	4	U	3	U	5	U
SW-846 8260C	Carbon Disulfide	ug/kg	5	J	3	J	5	J	5	J	5	J	13	
SW-846 8260C	Carbon Tetrachloride	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Chlorobenzene	ug/kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Chloroethane	ug/Kg	4	U	3	U	4	U	4	U	3	U	5	U
SW-846 8260C	Chloroform	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	4	U	3	U	4	U	4	U	3	U	5	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Dibromochloromethane	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Ethylbenzene	ug/kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	4	U	3	U	4	U	4	U	3	U	5	U
SW-846 8260C	Styrene	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Tetrachloroethene	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Toluene	ug/kg	2	J	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8260C	Xylenes, Total	ug/kg	2	U	2	U	2	U	2	U	2	U	2	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	1	J	1	J	1	U	3	J	1	J	5	U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	3		3		6		1	U	1	J	11	J
SW-846 8270D SIM modified	Anthracene	ug/kg	3		4		6	J-	3	J	2	J	20	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	24		23		19	J-	12		5		160	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	41		24		18	J-	12		6		180	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	40		23		14	J-	12		6		190	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	33		18		14	J-	11		5		120	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	30		23		14	J-	12		6		180	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	28		19		15	J-	10		5		150	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	18		19		32	J-	10		4		90	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	18		29		55		13		8		130	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	2	J	3		8		2	J	2	J	7	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	1	J	2	J	2	J	1	J	1	J	6	J
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	6		21		56	J-	23		6		5	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	10		10		23	J-	5		1	U	5	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	0.8	U	1	U	1	U	1	U	1	U	5	U

		Location	TR06_C		TR06_D		TR06_D		TR06_D		TR06_D		TR06_E	
		Field Sample ID	CVX-0010-07		CVX-0010-15		CVX-0010-16		CVX-0010-17		CVX-0010-18		CVX-0009-16	
		Sample Date	8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/26/2014		8/25/2014	
		Sample Delivery Group	1499124		1499124		1499124		1499124		1499124		1498701	
		Sample Depth	0.5-1 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	2		3	J	4		2	J	2	J	8	J
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	6		18		56	J-	7		5		52	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	6		4		8	J-	2	J	1	U	5	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	0.8	U	1	U	1	U	1	U	1	U	5	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	3		4		6		3	J	3		9	J
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	5		10		34	J-	5		4		32	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	0.8	U	1	U	1	UJ	1	U	1	U	5	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	2		4		6		2	J	2	J	8	J
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	U	1	U	1	UJ	1	U	1	U	5	U
SW-846 8270D SIM modified	Chrysene	ug/kg	28		28		25	J-	14		7		220	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	8		4		2	J	2	J	1	U	30	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	24		52		41		32		15		340	
SW-846 8270D SIM modified	Fluorene	ug/kg	2	J	2	J	1	U	3	J	2	J	8	J
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	38		19		13	J-	12		5		140	
SW-846 8270D SIM modified	Naphthalene	ug/kg	2	J	2	J	2	J	3	J	2	J	7	J
SW-846 8270D SIM modified	Perylene	ug/kg	48		39		52	J-	65		49		200	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	9		23		30	J-	19		12		78	
SW-846 8270D SIM modified	Pyrene	ug/kg	20		40		42	J-	24		11		270	

		Location	TR06_E		TR06_E		TR06_E		TR07_A		TR07_A		TR07_A	
		Field Sample ID	CVX-0009-17		CVX-0009-18		CVX-0009-19		CVX-0009-01		CVX-0009-02		CVX-0009-03	
		Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498701		1498701		1498701		1498701		1498701		1498701	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	39600		14500		8450		24700		33900		40500	
SM 2540 G	Moisture	%	65.4		39.4		32.6		28		40.1		55.5	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	14.3		3.4		1.2	J	1.6	J	5.7		4.9	
SW-846 6010C	Cadmium	UMOLES/G	0.00219		0.00108	J	0.00103	J	0.00142	J	0.00149	J	0.00156	J
SW-846 6010C	Copper	UMOLES/G	0.0413		0.0982		0.0948		0.0751		0.0607		0.0207	
SW-846 6010C	Lead	UMOLES/G	0.0608		0.0452		0.0353		0.0559		0.059		0.056	
SW-846 6010C	Nickel	UMOLES/G	0.0754		0.0715		0.0745		0.029		0.0238		0.0332	
SW-846 6010C	Silver	UMOLES/G	0.000425	U	0.00043	U	0.000426	U	0.000434	U	0.000428	U	0.000435	U
SW-846 6010C	Zinc	UMOLES/G	0.644	J	0.285	J	0.289	J	0.281		0.312		0.34	
SW-846 6020A	Aluminum	mg/kg	24000		17100		16800		11400		13600		22300	
SW-846 6020A	Antimony	mg/Kg	0.232	U	0.135	U	0.119	U	0.114	U	0.14	U	0.186	U
SW-846 6020A	Arsenic	mg/Kg	7.24		3.2		3.2		4.6		4.54		7.65	
SW-846 6020A	Barium	mg/kg	151		87.6		74.2		74.8		72.7		145	
SW-846 6020A	Beryllium	mg/Kg	1.19		0.741		0.558		0.46		0.566		0.991	
SW-846 6020A	Cadmium	mg/kg	0.852		0.209	J	0.145	J	0.382		0.372		0.742	
SW-846 6020A	Calcium	mg/kg	6450		1770		1410		8570		2910		3980	
SW-846 6020A	Chromium	mg/Kg	32.9		21.9		16		47.7		14.3		29.6	
SW-846 6020A	Cobalt	mg/kg	17.3		11.7		10.7		8.37		8.6		17.4	
SW-846 6020A	Copper	mg/kg	57.3		24.6		16.8		21.2		19.6		44.2	J
SW-846 6020A	IRON	mg/kg	32600		23700		24400		18900		20700		32700	
SW-846 6020A	Lead	mg/Kg	56.7		27.7		15		32.3		24.8		53.4	
SW-846 6020A	Magnesium	mg/kg	9480		6370		5260		8090		4840		8540	
SW-846 6010C	Manganese	mg/kg	634		316		286		493		580		706	
SW-846 7471B	Mercury	mg/Kg	0.569	U	0.325	U	0.292	U	0.276	U	0.313	U	0.417	U
SW-846 6020A	Nickel	mg/Kg	40.8		27.5		22.9		36.2		18.9		35.9	
SW-846 6020A	Potassium	mg/kg	2280		1170		923		956		1040		1610	
SW-846 6020A	Selenium	mg/Kg	1.12	J	0.63	J	0.398	J	0.47	J	0.676	J	1.19	J
SW-846 6020A	Silver	mg/Kg	0.777		0.0835	J	0.0462	J	0.101	J	0.0883	J	0.249	J
SW-846 6020A	Sodium	mg/kg	265		112	J	80.8	J	105	J	90	J	164	J
SW-846 6020A	Thallium	mg/Kg	0.242	J	0.146	J	0.11	J	0.107	J	0.142	J	0.242	J
SW-846 6020A	Vanadium	mg/kg	35.8		22		17.6		16.2		16.6		29.1	
SW-846 6020A	Zinc	mg/Kg	244		98.4		70.1		75.2		109		167	
SW-846 8082A	Aroclor 1016	ug/kg												
SW-846 8082A	Aroclor 1221	ug/kg												
SW-846 8082A	Aroclor 1232	ug/kg												
SW-846 8082A	Aroclor 1242	ug/kg												
SW-846 8082A	Aroclor 1248	ug/kg												
SW-846 8082A	Aroclor 1254	ug/kg												
SW-846 8082A	Aroclor 1260	ug/kg												
SW-846 8082A	Aroclor-1262	ug/kg												
SW-846 8082A	Aroclor-1268	ug/kg												
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	2	U	2	U	1	U	1	U		R		R
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	2	U	2	U	1	U	1	U	2	U	3	U

		Location	TR06_E		TR06_E		TR06_E		TR07_A		TR07_A		TR07_A	
		Field Sample ID	CVX-0009-17		CVX-0009-18		CVX-0009-19		CVX-0009-01		CVX-0009-02		CVX-0009-03	
		Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498701		1498701		1498701		1498701		1498701		1498701	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	9	U	7	U	6	U	7	J	43		15	J
SW-846 8260C	2-Hexanone	ug/Kg	7	U	5	U	4	U	4	U	6	U	8	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	7	U	5	U	4	U	4	U	6	U	8	U
SW-846 8260C	Acetone	ug/kg	27	J	25	J	17	J	63		360		130	
SW-846 8260C	Benzene	ug/kg	1	U	0.9	U	0.7	U	0.7	U	1	U	1	U
SW-846 8260C	Bromodichloromethane	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Bromoform	ug/kg	2	U	2	UJ	1	U	1	U	2	U	3	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	4	U	4	U	3	U	3	U	4	U	5	U
SW-846 8260C	Carbon Disulfide	ug/kg	7	J	2	J	2	J	6	J	20		9	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Chlorobenzene	ug/kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Chloroethane	ug/Kg	4	U	4	U	3	U	3	U	4	U	5	U
SW-846 8260C	Chloroform	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	4	U	4	U	3	U	3	U	4	U	5	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Dibromochloromethane	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Ethylbenzene	ug/kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	4	U	4	U	3	U	3	U	4	U	5	U
SW-846 8260C	Styrene	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Tetrachloroethene	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Toluene	ug/kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8260C	Xylenes, Total	ug/kg	2	U	2	U	1	U	1	U	2	U	3	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	11	J	3	U	2	U	14		12		9	
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	20		4	J	2	U	13		24		7	
SW-846 8270D SIM modified	Anthracene	ug/kg	38		9		2	U	34		31		21	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	220		35		2	U	100		110		79	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	260		35		2	U	96		110		89	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	290		37		2	U	73		92		88	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	190		26		2	U	58		69		52	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	230		34		2	U	85		80		63	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	220		30		2	U	65		77		59	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	140		27		2	U	86		130		46	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	220		37		2	U	150		220		79	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	25		5	J	2	U	28		38		9	
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	17		5	J	2	U	10		10		5	J
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	6	U	3	U	2	U	160		280		79	J
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	59		13		2	U	0.9	U	1	U	1	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	6	U	3	U	2	U	0.9	U	1	U	1	U

		Location	TR06_E		TR06_E		TR06_E		TR07_A		TR07_A		TR07_A	
		Field Sample ID	CVX-0009-17		CVX-0009-18		CVX-0009-19		CVX-0009-01		CVX-0009-02		CVX-0009-03	
		Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498701		1498701		1498701		1498701		1498701		1498701	
		Sample Depth	0.5-1 FT		1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	25		8	J	2	J	25		30		9	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	130		28		2	U	110		220		41	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	22		6	J	2	U	15		1	U	1	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	6	U	3	U	2	U	0.9	U	1	U	1	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	28		8		2	J	31		38		10	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	62		18		2	U	49		110		21	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	6	U	3	U	2	U	0.9	U	1	U	1	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	19		7	J	2	J	17		27		7	
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	6	U	3	U	2	U	0.9	U	1	U	1	U
SW-846 8270D SIM modified	Chrysene	ug/kg	300		45		2	U	130		140		100	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	40		6	J	2	U	13		15		13	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	590		77		2	J	230		260		220	
SW-846 8270D SIM modified	Fluorene	ug/kg	20		5	J	2	U	23		28		15	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	210		28		2	U	62		69		59	
SW-846 8270D SIM modified	Naphthalene	ug/kg	16		6	J	2	U	10		11		8	
SW-846 8270D SIM modified	Perylene	ug/kg	490		230		170		80		140		210	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	190		38		2	J	190		220		140	
SW-846 8270D SIM modified	Pyrene	ug/kg	500		67		2	J	220		260		160	

		Location	TR07_A		TR07_B		TR07_B		TR07_B		TR07_B		TR07_B	
		Field Sample ID	CVX-0009-04		CVX-0008-01		CVX-0008-02		CVX-0008-03		CVX-0008-04		CVX-0008-05	
		Sample Date	8/25/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014	
		Sample Delivery Group	1498701		1498276		1498276		1498276		1498276		1498276	
		Sample Depth	1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		3-4 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	47300		118	U	23700		20400		5770		20900	
SM 2540 G	Moisture	%	55		15.6		43.6		50.8		25.3		40.5	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	8		0.63	U	4.7		8.2		0.63	U	0.63	U
SW-846 6010C	Cadmium	UMOLES/G	0.00146	J	0.000301	J	0.00175	J	0.00178	J	0.000395	J	0.00152	J
SW-846 6010C	Copper	UMOLES/G	0.0172		0.0353		0.0246		0.0199		0.0372	J-	0.0225	
SW-846 6010C	Lead	UMOLES/G	0.0552		0.0256		0.057		0.0593		0.0347	J-	0.0579	
SW-846 6010C	Nickel	UMOLES/G	0.0333		0.0239		0.0413		0.0419		0.0331		0.0439	
SW-846 6010C	Silver	UMOLES/G	0.00043	U	0.00042	U	0.000436	U	0.000421	U		R	0.00043	U
SW-846 6010C	Zinc	UMOLES/G	0.325		0.213		0.341		0.35		0.224	J+	0.344	
SW-846 6020A	Aluminum	mg/kg	17300		6210		17400		18300		17900	J	19700	
SW-846 6020A	Antimony	mg/Kg	0.18	U	0.0971	U	0.148	U	0.165	U	0.108	UJ	0.138	U
SW-846 6020A	Arsenic	mg/Kg	5.79		2.55		7.14		4.55		2.8	J+	4.97	
SW-846 6020A	Barium	mg/kg	94.6		19		94.2		104		58.1		105	
SW-846 6020A	Beryllium	mg/Kg	0.691		0.358		0.678		0.74		0.528		0.726	
SW-846 6020A	Cadmium	mg/kg	0.542		0.047	J	0.409		0.383	J	0.162	J	0.384	
SW-846 6020A	Calcium	mg/kg	2700		2750		3120		2430		1790		2850	
SW-846 6020A	Chromium	mg/Kg	18		7.53		19.2		19.2		16.1	J	19.9	
SW-846 6020A	Cobalt	mg/kg	11.5		3.76		11.3		11.5		9.75		12.4	
SW-846 6020A	Copper	mg/kg	24.5	J	7.48		22.5		22.7		16.4		26.1	
SW-846 6020A	IRON	mg/kg	28600		12900		25800		25200		28700	J-	27800	
SW-846 6020A	Lead	mg/Kg	29.1		7.55		29.6		29.6		21.9		29.5	
SW-846 6020A	Magnesium	mg/kg	5880		5370		6720		6200		7050		6510	
SW-846 6010C	Manganese	mg/kg	652		277		419		476		311		420	
SW-846 7471B	Mercury	mg/Kg	0.418	U	0.0292	J	0.0837	J	0.0725	J	0.0665	J	0.0814	J
SW-846 6020A	Nickel	mg/Kg	25		9.94		25.4		25.6		23.8	J-	26.6	
SW-846 6020A	Potassium	mg/kg	1050		669		1490		1290		1300		1430	
SW-846 6020A	Selenium	mg/Kg	1.01	J	0.115	U	0.69	J	0.627	J	0.319	J	0.742	J
SW-846 6020A	Silver	mg/Kg	0.117	J	0.023	U	0.0854	J	0.122	J	0.0434	J	0.0869	J
SW-846 6020A	Sodium	mg/kg	98	J	32.9	J	142		198		82.6	J	177	
SW-846 6020A	Thallium	mg/Kg	0.177	J	0.0345	U	0.186	J	0.171	J	0.106	J	0.212	J
SW-846 6020A	Vanadium	mg/kg	19.4		7.03		21.1		20.8		17.3	J-	21.8	
SW-846 6020A	Zinc	mg/Kg	176		78.7		128		163		76.9	J	143	
SW-846 8082A	Aroclor 1016	ug/kg												
SW-846 8082A	Aroclor 1221	ug/kg												
SW-846 8082A	Aroclor 1232	ug/kg												
SW-846 8082A	Aroclor 1242	ug/kg												
SW-846 8082A	Aroclor 1248	ug/kg												
SW-846 8082A	Aroclor 1254	ug/kg												
SW-846 8082A	Aroclor 1260	ug/kg												
SW-846 8082A	Aroclor-1262	ug/kg												
SW-846 8082A	Aroclor-1268	ug/kg												
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U

		Location	TR07_A		TR07_B		TR07_B		TR07_B		TR07_B		TR07_B	
		Field Sample ID	CVX-0009-04		CVX-0008-01		CVX-0008-02		CVX-0008-03		CVX-0008-04		CVX-0008-05	
		Sample Date	8/25/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014	
		Sample Delivery Group	1498701		1498276		1498276		1498276		1498276		1498276	
		Sample Depth	1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		3-4 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	17	J	5	U	9	U	9	U	6	U	8	U
SW-846 8260C	2-Hexanone	ug/Kg	7	U	3	U	7	U	7	U	4	U	6	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	7	U	3	U	7	U	7	U	4	U	6	U
SW-846 8260C	Acetone	ug/kg	200		9	J	58		45		10	U	42	
SW-846 8260C	Benzene	ug/kg	1	U	0.6	U	1	U	1	U	0.7	U	1	U
SW-846 8260C	Bromodichloromethane	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Bromoform	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	4	U	2	U	5	U	4	U	3	U	4	U
SW-846 8260C	Carbon Disulfide	ug/kg	8	J	3	J	4	J	4	J	2	J	6	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Chlorobenzene	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Chloroethane	ug/Kg	4	U	2	U	5	U	4	U	3	U	4	U
SW-846 8260C	Chloroform	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	4	U	2	U	5	U	4	U	3	U	4	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Dibromochloromethane	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Ethylbenzene	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	4	U	2	U	5	U	4	U	3	U	4	U
SW-846 8260C	Styrene	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Tetrachloroethene	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Toluene	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Xylenes, Total	ug/kg	2	U	1	U	2	U	2	U	1	U	2	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	10		0.9	J	1	UJ	3	J	9		1	U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	9		1	J	1	UJ	3	J	4		2	J
SW-846 8270D SIM modified	Anthracene	ug/kg	19		10		2	J	10		23		3	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	84		30		8	J-	40		90		15	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	86		28		9	J-	42		81		17	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	87		25		8	J-	38		76		17	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	62		20		7	J-	26		56		13	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	88		27		9	J-	39		71		16	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	67		20		7	J-	27		59		14	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	59		13		6	J-	19		59		10	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	95		22		11	J-	36		84		16	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	12		2	J	2	J	3	J	7		2	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	10	J	0.8	U	2	J	1	U	5		1	J
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	3	UJ	16		12	J-	25		56		20	
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	3	U	7		3	J-	7		25		4	
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	3	U	1	J	1	UJ	1	U	0.9	U	1	U

		Location	TR07_A		TR07_B		TR07_B		TR07_B		TR07_B		TR07_B	
		Field Sample ID	CVX-0009-04		CVX-0008-01		CVX-0008-02		CVX-0008-03		CVX-0008-04		CVX-0008-05	
		Sample Date	8/25/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014		8/22/2014	
		Sample Delivery Group	1498701		1498276		1498276		1498276		1498276		1498276	
		Sample Depth	1-2 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT		3-4 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Field Duplicate		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	16		1	J	4	J-	2	J	7		3	J
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	54		9		6	J-	12		39		8	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	3	U	6		1	UJ	2	J	9		2	J
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	3	U	0.8	U	1	UJ	1	U	0.9	U	1	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	18		2	J	3	J-	2	J	8		2	J
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	34		4		4	J-	6		18		5	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	3	U	0.8	U	1	UJ	1	U	0.9	U	1	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	13		1	J	3	J	2	J	5		1	J
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	3	U	0.8	U	1	UJ	1	U	0.9	U	1	U
SW-846 8270D SIM modified	Chrysene	ug/kg	120		33		10	J-	46		97		19	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	14		5		2	J	7		15		3	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	230		73		24	J-	110		190		36	
SW-846 8270D SIM modified	Fluorene	ug/kg	17		2		1	J	4		11		2	J
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	69		22		8	J-	32		63		15	
SW-846 8270D SIM modified	Naphthalene	ug/kg	11		1	J	3	J-	1	U	8		2	J
SW-846 8270D SIM modified	Perylene	ug/kg	290		13		41	J-	36		99		66	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	140		33		10	J-	56		96		14	
SW-846 8270D SIM modified	Pyrene	ug/kg	180		51		19	J-	73		160		27	

		Location	TR07_B		TR07_B		TR07_C		TR07_C		TR07_D		TR07_D	
		Field Sample ID	CVX-0008-06		CVX-0008-07		CVX-0009-05		CVX-0009-06		CVX-0009-07		CVX-0009-08	
		Sample Date	8/22/2014		8/22/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498276		1498276		1498701		1498701		1498701		1498701	
		Sample Depth	4-5 FT		5-6 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	13000		12600		417		216	J	11200		24500	
SM 2540 G	Moisture	%	33.4		28.3		14.8		18.9		29.5		27.2	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	4.5		0.63	U	0.63	U	0.63	U	3.7		2.2	
SW-846 6010C	Cadmium	UMOLES/G	0.000827	J	0.000996	J	0.000413	J	0.000328	J	0.00103	J	0.000808	J
SW-846 6010C	Copper	UMOLES/G	0.0593		0.0732		0.0551		0.0377		0.0285		0.0472	
SW-846 6010C	Lead	UMOLES/G	0.0248		0.0236		0.0334		0.0315		0.0464		0.0423	
SW-846 6010C	Nickel	UMOLES/G	0.0281		0.0223		0.0325		0.0382		0.0297		0.0331	
SW-846 6010C	Silver	UMOLES/G	0.000435	U	0.000433	U	0.000439	U	0.000427	U	0.000428	U	0.000436	U
SW-846 6010C	Zinc	UMOLES/G	0.132		0.109		0.187		0.165		0.262		0.21	
SW-846 6020A	Aluminum	mg/kg	13200		13100		11900		13300		13700		17100	
SW-846 6020A	Antimony	mg/Kg	0.124	U	0.114	U	0.0962	U	0.103	U	0.12	U	0.116	U
SW-846 6020A	Arsenic	mg/kg	3.43		2.17		4.19		4.1		3.92		2.39	
SW-846 6020A	Barium	mg/kg	56		59.4		25.8		34.3		66.4		67.2	
SW-846 6020A	Beryllium	mg/Kg	0.561		0.533		0.336		0.383		0.516		0.589	
SW-846 6020A	Cadmium	mg/kg	0.127	J	0.178	J	0.0571	J	0.0416	J	0.258	J	0.113	J
SW-846 6020A	Calcium	mg/kg	1880		1810		1360		2150		2220		1010	
SW-846 6020A	Chromium	mg/Kg	13.3		14.1		13.9		14.9		14.9		17.4	
SW-846 6020A	Cobalt	mg/kg	9.44		7.98		7.79		8.76		8.85		10.4	
SW-846 6020A	Copper	mg/kg	11.8		13.7		13.4		9.45		15.4		18	
SW-846 6020A	IRON	mg/kg	20400		19100		28300		29900		21500		26600	
SW-846 6020A	Lead	mg/Kg	9.72		10.5		9.4		9.97		22.3		12.2	
SW-846 6020A	Magnesium	mg/kg	5280		5050		6990		8430		5650		6840	
SW-846 6010C	Manganese	mg/kg	376		260		348		279		468		429	
SW-846 7471B	Mercury	mg/Kg	0.0198	J	0.0132	U	0.233	U	0.236	U	0.268	U	0.262	U
SW-846 6020A	Nickel	mg/Kg	19.2		18.8		21.6		24		20.6		27	
SW-846 6020A	Potassium	mg/kg	1080		924		727		914		972		1190	
SW-846 6020A	Selenium	mg/Kg	0.336	J	0.623	J	0.114	U	0.122	U	0.498	J	0.174	J
SW-846 6020A	Silver	mg/Kg	0.0294	U	0.0314	J	0.0228	U	0.0244	U	0.0507	J	0.0403	J
SW-846 6020A	Sodium	mg/kg	146		116		65.4	J	44.2	J	111	J	102	J
SW-846 6020A	Thallium	mg/Kg	0.0927	J	0.0972	J	0.0342	U	0.038	J	0.114	J	0.11	J
SW-846 6020A	Vanadium	mg/kg	14.5		15.1		12.1		12.8		15.6		19.4	
SW-846 6020A	Zinc	mg/Kg	110		89.2		43.2		64.4		101		81.4	
SW-846 8082A	Aroclor 1016	ug/kg									5	U	4.9	U
SW-846 8082A	Aroclor 1221	ug/kg									6.4	U	6.3	U
SW-846 8082A	Aroclor 1232	ug/kg									11	U	11	U
SW-846 8082A	Aroclor 1242	ug/kg									4.6	U	4.5	U
SW-846 8082A	Aroclor 1248	ug/kg									4.6	U	4.5	U
SW-846 8082A	Aroclor 1254	ug/kg									7.8	J	4.5	U
SW-846 8082A	Aroclor 1260	ug/kg									6.8	U	6.7	U
SW-846 8082A	Aroclor-1262	ug/kg									4.6	U	4.5	U
SW-846 8082A	Aroclor-1268	ug/kg									4.6	U	4.5	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U

		Location	TR07_B		TR07_B		TR07_C		TR07_C		TR07_D		TR07_D	
		Field Sample ID	CVX-0008-06		CVX-0008-07		CVX-0009-05		CVX-0009-06		CVX-0009-07		CVX-0009-08	
		Sample Date	8/22/2014		8/22/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498276		1498276		1498701		1498701		1498701		1498701	
		Sample Depth	4-5 FT		5-6 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	6	U	5	U	5	U	4	U	5	U	5	U
SW-846 8260C	2-Hexanone	ug/Kg	4	U	4	U	3	U	3	U	4	U	4	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	4	U	4	U	3	U	3	U	4	U	4	U
SW-846 8260C	Acetone	ug/kg	10	U	46		8	U	7	U	24	J	20	J
SW-846 8260C	Benzene	ug/kg	0.7	U	0.7	U	0.6	U	0.5	U	0.7	U	0.7	U
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Bromoform	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	3	U	3	U	2	U	2	U	3	U	3	U
SW-846 8260C	Carbon Disulfide	ug/kg	1	U	3	J	5	J	5	J	4	J	2	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Chlorobenzene	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Chloroethane	ug/Kg	3	U	3	U	2	U	2	U	3	U	3	U
SW-846 8260C	Chloroform	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	3	U	3	U	2	U	2	U	3	U	3	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Ethylbenzene	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	3	U	3	U	2	U	2	U	3	U	3	U
SW-846 8260C	Styrene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Toluene	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8260C	Xylenes, Total	ug/kg	1	U	1	U	1	U	1	U	1	U	1	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	1	U	0.9	U	1	J	0.9	J	9		3	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	1	U	0.9	U	7		0.8	U	14		2	U
SW-846 8270D SIM modified	Anthracene	ug/kg	1	U	0.9	U	6		4		27		2	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	1	U	0.9	U	17		18		120		3	J
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	1	U	0.9	U	19		16		130		3	J
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	1	U	0.9	U	15		15		140		5	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	1	U	0.9	U	15		10		96		3	J
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	1	U	0.9	U	13		15		110		3	J
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	1	U	0.9	U	16		11		100		4	J
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	1	U	0.9	U	28		9		72		3	J
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	1	U	0.9	U	43		15		120		4	J
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	1	U	0.9	U	7		1	J	10		2	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	1	J	0.9	U	5		0.8	U	8		2	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	1	U	0.9	U	59		13		2	U	2	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	1	U	0.9	U	18		5		28		2	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	1	U	0.9	U	0.8	U	0.8	U	2	U	2	U

		Location	TR07_B		TR07_B		TR07_C		TR07_C		TR07_D		TR07_D	
		Field Sample ID	CVX-0008-06		CVX-0008-07		CVX-0009-05		CVX-0009-06		CVX-0009-07		CVX-0009-08	
		Sample Date	8/22/2014		8/22/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498276		1498276		1498701		1498701		1498701		1498701	
		Sample Depth	4-5 FT		5-6 FT		0-0.5 FT		0.5-1 FT		0-0.5 FT		0.5-1 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	2	J	0.9	U	8		0.8	U	9		2	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	1	U	0.9	U	37		7		51		2	U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	1	U	0.9	U	9		2		13		2	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	1	U	0.9	U	0.8	U	0.8	U	2	U	2	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	2	J	0.9	U	7		0.9	J	10		2	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	1	U	0.9	U	19		4		24		2	U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	1	U	0.9	U	0.8	U	0.8	U	2	U	2	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	1	J	0.9	U	4		0.9	J	8		2	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	1	U	0.9	U	0.8	U	0.8	U	2	U	2	U
SW-846 8270D SIM modified	Chrysene	ug/kg	1	U	0.9	U	25		22		150		4	J
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	1	U	0.9	U	3		3		22		2	U
SW-846 8270D SIM modified	Fluoranthene	ug/kg	2	J	0.9	U	37		44		270		8	
SW-846 8270D SIM modified	Fluorene	ug/kg	1	U	0.9	U	4		2	J	16		2	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	1	U	0.9	U	13		11		110		3	J
SW-846 8270D SIM modified	Naphthalene	ug/kg	1	U	0.9	U	3		0.8	U	22		2	J
SW-846 8270D SIM modified	Perylene	ug/kg	87		130		12		6		430		150	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	1	J	0.9	U	33		23		82		3	J
SW-846 8270D SIM modified	Pyrene	ug/kg	2	J	0.9	U	46		35		240		7	

		Location	TR07_D		TR07_D		TR07_E		TR07_E		TR07_E		TR07_E	
		Field Sample ID	CVX-0009-09		CVX-0009-10		CVX-0009-11		CVX-0009-12		CVX-0009-13		CVX-0009-14	
		Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498701		1498701		1498701		1498701		1498701		1498701	
		Sample Depth	1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	870		1920		19600		28800		8430		48700	
SM 2540 G	Moisture	%	21.1		21.8		46.7		42.1		39.3		56.3	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	2.1		0.63	U	2.9		3.8		2.9		1.7	J
SW-846 6010C	Cadmium	UMOLES/G	0.000979	J	0.000484	J	0.00177	J	0.0019	J	0.00162	J	0.00203	J
SW-846 6010C	Copper	UMOLES/G	0.104	J-	0.0485		0.111		0.148		0.106		0.121	
SW-846 6010C	Lead	UMOLES/G	0.0309	J-	0.0272		0.0537		0.0586		0.0565		0.0448	
SW-846 6010C	Nickel	UMOLES/G	0.0788		0.0194		0.0738		0.0868		0.0658		0.0766	
SW-846 6010C	Silver	UMOLES/G	0.000432	UJ	0.000435	U	0.000434	U	0.000433	U	0.00043	U	0.00043	U
SW-846 6010C	Zinc	UMOLES/G	0.224		0.0807		0.457	J	0.519	J	0.404		0.305	
SW-846 6020A	Aluminum	mg/kg	21800		26600		19700		21100		17500		38300	
SW-846 6020A	Antimony	mg/Kg	0.107	UJ	0.106	U	0.158	U	0.139	U	0.139	U	0.188	U
SW-846 6020A	Arsenic	mg/Kg	4.43	J-	7.33		4.69		3.75		4.29		13.2	
SW-846 6020A	Barium	mg/kg	91.6	J	98.5		107		108		91		170	
SW-846 6020A	Beryllium	mg/Kg	0.909	J-	1.4		0.753		0.77		0.671		2.52	
SW-846 6020A	Cadmium	mg/kg	0.2	J	0.249	J	0.422		0.405		0.363		0.567	
SW-846 6020A	Calcium	mg/kg	1050		1380		2800		2080		2880		2420	
SW-846 6020A	Chromium	mg/Kg	20.2		25.2		21.4		21.6		19.9		42.2	
SW-846 6020A	Cobalt	mg/kg	11.5		10.6		12.7		13.1		11.6		23.6	
SW-846 6020A	Copper	mg/kg	27.9	J-	32.3		25.5		26.7		26.9		60	
SW-846 6020A	IRON	mg/kg	33200		31700		27100		29800		26700		54700	
SW-846 6020A	Lead	mg/Kg	15.2	J-	11		30.9		30.1		26.9		33.2	
SW-846 6020A	Magnesium	mg/kg	6860	J	13100		6840		6840		6530		16000	
SW-846 6010C	Manganese	mg/kg	461		366		502		494		373		680	
SW-846 7471B	Mercury	mg/Kg	0.238	U	0.254	U	0.364	U	0.34	U	0.322	U	0.435	U
SW-846 6020A	Nickel	mg/Kg	31.1	J-	37.9		27.1		29.1		26.3		60.4	
SW-846 6020A	Potassium	mg/kg	1430	J	4390		1520		1430		1210		3030	
SW-846 6020A	Selenium	mg/Kg	0.269	J	0.344	J	0.778	J	0.779	J	0.643	J	0.4	J
SW-846 6020A	Silver	mg/Kg	0.0419	J	0.0838	J	0.0923	J	0.0827	J	0.0983	J	0.0572	J
SW-846 6020A	Sodium	mg/kg	98.8	J	117		136	J	127	J	174		185	
SW-846 6020A	Thallium	mg/Kg	0.128	J	0.209	J	0.192	J	0.218	J	0.167	J	0.408	J
SW-846 6020A	Vanadium	mg/kg	26.6	J-	34.4		23.7		23		20.1		52.8	
SW-846 6020A	Zinc	mg/Kg	80.3		104		121		154		118		132	
SW-846 8082A	Aroclor 1016	ug/kg	4.5	U	4.6	U								
SW-846 8082A	Aroclor 1221	ug/kg	5.8	U	5.8	U								
SW-846 8082A	Aroclor 1232	ug/kg	10	U	10	U								
SW-846 8082A	Aroclor 1242	ug/kg	4.1	U	4.2	U								
SW-846 8082A	Aroclor 1248	ug/kg	4.1	U	4.2	U								
SW-846 8082A	Aroclor 1254	ug/kg	4.1	U	4.2	U								
SW-846 8082A	Aroclor 1260	ug/kg	6.1	U	6.2	U								
SW-846 8082A	Aroclor-1262	ug/kg	4.1	U	4.2	U								
SW-846 8082A	Aroclor-1268	ug/kg	4.1	U	4.2	U								
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U	1	U		R	2	U	1	U	2	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	1	U	1	U	2	U	2	U	1	U	2	U

		Location	TR07_D		TR07_D		TR07_E		TR07_E		TR07_E		TR07_E	
		Field Sample ID	CVX-0009-09		CVX-0009-10		CVX-0009-11		CVX-0009-12		CVX-0009-13		CVX-0009-14	
		Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498701		1498701		1498701		1498701		1498701		1498701	
		Sample Depth	1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	4	U	4	U	7	U	8	U	6	U	8	U
SW-846 8260C	2-Hexanone	ug/Kg	3	U	3	U	6	U	6	U	4	U	6	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	3	U	3	U	6	U	6	U	4	U	6	U
SW-846 8260C	Acetone	ug/kg	7	J	15	J	61		38		17	J	37	J
SW-846 8260C	Benzene	ug/kg	0.5	U	0.6	U	0.9	U	0.9	U	0.7	U	1	U
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Bromoform	ug/kg	1	U	1	U	2	U	2	UJ	1	UJ	2	UJ
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U	2	U	4	U	4	U	3	U	4	U
SW-846 8260C	Carbon Disulfide	ug/kg	3	J	2	J	4	J	2	U	2	J	6	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Chlorobenzene	ug/kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Chloroethane	ug/Kg	2	U	2	U	4	U	4	U	3	U	4	U
SW-846 8260C	Chloroform	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U	2	U	4	U	4	U	3	U	4	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Ethylbenzene	ug/kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U	2	U	4	U	4	U	3	U	4	U
SW-846 8260C	Styrene	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Toluene	ug/kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8260C	Xylenes, Total	ug/kg	1	U	1	U	2	U	2	U	1	U	2	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	0.9	J	2	U	8		2	U	4		2	U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	0.8	U	2	U	9		4	J	4		2	J
SW-846 8270D SIM modified	Anthracene	ug/kg	0.8	U	2	U	24		4	J	24		4	J
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	0.8	U	2	U	85		20		93		15	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	0.8	U	2	U	87		24		88		17	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	0.8	U	2	U	91		25		89		19	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	0.8	U	2	U	61		18		56		14	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	0.8	U	2	U	76		24		65		16	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	0.8	U	2	U	67		21		60		16	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	0.8	U	2	U	55		15		43		11	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	0.8	U	2	U	91		23		77		18	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	0.8	U	2	U	10		3	J	6		3	J
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	0.8	U	2	U	7		4	J	4		4	J
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	U	2	U	2	U	2	U	85		2	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	0.8	U	2	U	32		10		18		2	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	0.8	U	2	U	2	U	2	U	1	U	2	U

		Location	TR07_D		TR07_D		TR07_E		TR07_E		TR07_E		TR07_E	
		Field Sample ID	CVX-0009-09		CVX-0009-10		CVX-0009-11		CVX-0009-12		CVX-0009-13		CVX-0009-14	
		Sample Date	8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014		8/25/2014	
		Sample Delivery Group	1498701		1498701		1498701		1498701		1498701		1498701	
		Sample Depth	1-2 FT		2-3 FT		0-0.5 FT		0.5-1 FT		1-2 FT		2-3 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	0.8	U	2	U	10		4	J	6		4	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	U	2	U	48		14		34		11	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	0.8	U	2	U	2	U	2	U	1	U	2	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	0.8	U	2	U	2	U	2	U	1	U	2	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	0.8	U	2	U	12		5	J	8		4	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	U	2	U	22		10		15		7	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	0.8	U	2	U	2	U	2	U	1	U	2	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	0.8	U	2	U	8		4	J	7		3	J
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	0.8	U	2	U	2	U	2	U	1	U	2	U
SW-846 8270D SIM modified	Chrysene	ug/kg	0.8	U	2	U	100		28		97		22	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	0.8	U	2	U	14		4	J	13		3	J
SW-846 8270D SIM modified	Fluoranthene	ug/kg	0.8	U	2	U	220		51		210		38	
SW-846 8270D SIM modified	Fluorene	ug/kg	0.8	U	2	U	14		3	J	6		3	J
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	0.8	U	2	U	69		21		64		15	
SW-846 8270D SIM modified	Naphthalene	ug/kg	0.8	U	2	U	9		4	J	6		4	
SW-846 8270D SIM modified	Perylene	ug/kg	53		8		660		190		140		72	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	0.8	U	2	U	120		22		95		20	
SW-846 8270D SIM modified	Pyrene	ug/kg	0.8	U	2	U	180		44		170		32	

		Location	TR07_E		TR09_C		TR10_A		TR10_A		TR10_A		TR10_A	
		Field Sample ID	CVX-0009-15		CVX-0013-01		CVX-0013-02		CVX-0013-03		CVX-0013-04		CVX-0013-05	
		Sample Date	8/25/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014	
		Sample Delivery Group	1498701		1502680		1502680		1502680		1502680		1502680	
		Sample Depth	3-4 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
Lloyd Kahn modified	Total Organic Carbon	mg/kg	2160		2170		3200		2280		2470		2930	
SM 2540 G	Moisture	%	31.6		13.4		24.5		20.8		20.9		23.4	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U	0.63	U
SW-846 6010C	Cadmium	UMOLES/G	0.00142	J	0.000837	J	0.000394	J	0.000396	J	0.000347	J	0.000326	J
SW-846 6010C	Copper	UMOLES/G	0.122		0.944		0.0577		0.098		0.0498		0.074	
SW-846 6010C	Lead	UMOLES/G	0.0252		0.128		0.0645		0.0654		0.0632		0.0619	
SW-846 6010C	Nickel	UMOLES/G	0.0684		0.0533		0.0795		0.0756		0.0678	J	0.17	J
SW-846 6010C	Silver	UMOLES/G	0.000435	U	0.000426	U	0.000428	U	0.000433	U	0.000427	U	0.000427	U
SW-846 6010C	Zinc	UMOLES/G	0.178		0.485		0.208		0.186		0.15		0.258	
SW-846 6020A	Aluminum	mg/kg	12000		13400		15000		14700		14600		14600	
SW-846 6020A	Antimony	mg/Kg	0.121	U	0.0965	UJ	0.106	U	0.103	U	0.104	U	0.107	U
SW-846 6020A	Arsenic	mg/kg	7.78		4.74	J-	4.53		3.22		3.14		3.42	
SW-846 6020A	Barium	mg/kg	64.2		47.7		74.7		45.5		40		47.7	
SW-846 6020A	Beryllium	mg/Kg	1.13		0.409	J+	0.877		0.82		0.824		0.719	
SW-846 6020A	Cadmium	mg/kg	0.263	J	0.133	J	0.109	J	0.0621	J	0.0759	J	0.0649	J
SW-846 6020A	Calcium	mg/kg	1660		13400	J	2660		2440		2150		2570	
SW-846 6020A	Chromium	mg/Kg	16.7		17.3	J	32.1		38.4		39.8		32.5	
SW-846 6020A	Cobalt	mg/kg	6.48		7.8	J+	12		8.57		8.73		8.73	
SW-846 6020A	Copper	mg/kg	22.4		17.8	J	16.3		17.7		10.3		12.4	
SW-846 6020A	IRON	mg/kg	18800		30400	J	25200		26300		27700		26400	
SW-846 6020A	Lead	mg/Kg	10.1		29.6	J	37.2		31.8		20.2		31	
SW-846 6020A	Magnesium	mg/kg	5930		14000	J	8450		6350		6900		6650	
SW-846 6010C	Manganese	mg/kg	436		515		436		306		352		318	
SW-846 7471B	Mercury	mg/Kg	0.277	U	0.319	J+	1.3		0.116	J	0.0666	J	0.116	J
SW-846 6020A	Nickel	mg/Kg	22.1		22.1	J	35.8		32.5		34.6		31.2	
SW-846 6020A	Potassium	mg/kg	2200		1110	J+	1820		1060		854		1150	
SW-846 6020A	Selenium	mg/Kg	0.15	J	0.114	U	0.222	J	0.2	J	0.141	J	0.174	J
SW-846 6020A	Silver	mg/Kg	0.0906	J	0.027	J	0.118	J	0.0584	J	0.0525	J	0.0621	J
SW-846 6020A	Sodium	mg/kg	94.8	J	84.2	J	122		57.3	J	59.4	J	75.5	J
SW-846 6020A	Thallium	mg/Kg	0.14	J	0.0506	J	0.115	J	0.0706	J	0.0619	J	0.0767	J
SW-846 6020A	Vanadium	mg/kg	29.6		15.9	J+	22.4		15.3		21.1		16.9	
SW-846 6020A	Zinc	mg/Kg	120		108	J	80.6		73.2		80.9		71.6	
SW-846 8082A	Aroclor 1016	ug/kg			4.1	U	4.7	U	4.5	U	4.5	U	4.7	U
SW-846 8082A	Aroclor 1221	ug/kg			5.3	U	6	U	5.8	U	5.7	U	5.9	U
SW-846 8082A	Aroclor 1232	ug/kg			9.2	U	10	U	10	U	10	U	10	U
SW-846 8082A	Aroclor 1242	ug/kg			3.8	U	4.3	U	4.2	U	4.1	U	4.3	U
SW-846 8082A	Aroclor 1248	ug/kg			3.8	U	4.3	U	4.2	U	4.1	U	4.3	U
SW-846 8082A	Aroclor 1254	ug/kg			3.8	U	4.3	U	4.2	U	4.1	U	4.3	U
SW-846 8082A	Aroclor 1260	ug/kg			5.6	U	6.4	U	6.2	U	6.1	U	6.3	U
SW-846 8082A	Aroclor-1262	ug/kg			3.8	U	4.3	U	4.2	U	4.1	U	4.3	U
SW-846 8082A	Aroclor-1268	ug/kg			3.8	U	4.3	U	4.2	U	4.1	U	4.3	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg												
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U

		Location	TR07_E		TR09_C		TR10_A		TR10_A		TR10_A		TR10_A	
		Field Sample ID	CVX-0009-15		CVX-0013-01		CVX-0013-02		CVX-0013-03		CVX-0013-04		CVX-0013-05	
		Sample Date	8/25/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014	
		Sample Delivery Group	1498701		1502680		1502680		1502680		1502680		1502680	
		Sample Depth	3-4 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	U	1	UJ	2	UJ	1	UJ	0.7	UJ	0.7	UJ
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	5	U	4	U	6	U	4	U	3	U	3	U
SW-846 8260C	2-Hexanone	ug/Kg	4	U	3	U	5	U	3	U	2	U	2	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	4	U	3	U	5	U	3	U	2	U	2	U
SW-846 8260C	Acetone	ug/kg	13	J	12	J	17	J	11	J	11	J	11	J
SW-846 8260C	Benzene	ug/kg	0.6	U	0.5	U	0.8	U	0.5	J	0.4	U	0.3	U
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Bromoform	ug/kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U	2	U	3	U	2	U	1	U	1	U
SW-846 8260C	Carbon Disulfide	ug/kg	2	J	1	U	4	J	3	J	2	J	2	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Chlorobenzene	ug/kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Chloroethane	ug/Kg	2	U	2	U	3	U	2	U	1	U	1	U
SW-846 8260C	Chloroform	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U	2	U	3	U	2	U	1	U	1	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Ethylbenzene	ug/kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U	2	U	3	U	2	U	1	U	1	U
SW-846 8260C	Styrene	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Toluene	ug/kg	1	U	1	U	2	U	1	J	0.9	J	0.9	J
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8260C	Xylenes, Total	ug/kg	1	U	1	U	2	U	1	U	0.7	U	0.7	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	2	U	8800		8		8		4	J	17	J
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	2	U	2200		19		25		6		10	
SW-846 8270D SIM modified	Anthracene	ug/kg	2	U	20000		51		60		22	J	77	J
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	2	U	24000	J+	160		210		54	J	120	J
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	2	U	22000	J+	150	J-	180		48	J	100	J
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	2	U	21000	J+	120	J-	150		33	J	100	J
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	2	U	12000	J+	74	J-	90		24	J	54	J
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	2	U	17000	J+	130	J-	150		48	J	95	J
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	2	U	13000	J+	92	J-	110		29	J	63	J
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	2	U	9500	J+	100		130		31	J	57	J
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	2	U	21000	J+	130		150		43	J	83	J
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	2	U	3800		14		16		6		10	
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	2	U	5100		9		12		4		7	
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	22000		150		180		51	J	95	J
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	2	U	3300	J+	41		54		13		22	
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	2	U	1300		12		15		4		7	

		Location	TR07_E		TR09_C		TR10_A		TR10_A		TR10_A		TR10_A	
		Field Sample ID	CVX-0009-15		CVX-0013-01		CVX-0013-02		CVX-0013-03		CVX-0013-04		CVX-0013-05	
		Sample Date	8/25/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014		9/10/2014	
		Sample Delivery Group	1498701		1502680		1502680		1502680		1502680		1502680	
		Sample Depth	3-4 FT		0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample		Regular sample		Field Duplicate	
		Sample Type	Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units												
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	2	U	4300		13		14		7		9	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	9000		87		100		28		48	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	2	U	8	U	13		20		4		8	
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	2	U	8	U	0.9	U	0.8	U	0.8	U	0.9	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	2	U	3200		18		21		7		11	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	2800		34		42		11		19	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	2	U	8	U	0.9	U	0.8	U	0.8	U	0.9	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	2	U	1100		12		16		5		7	
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	2	U	8	U	0.9	U	0.8	U	0.8	U	0.9	U
SW-846 8270D SIM modified	Chrysene	ug/kg	2	U	24000	J+	180		220		58	J	130	J
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	2	U	3700	J+	26	J-	31		7	J	15	J
SW-846 8270D SIM modified	Fluoranthene	ug/kg	2	U	58000	J+	360		460		130		300	
SW-846 8270D SIM modified	Fluorene	ug/kg	2	U	12000		18		20		8	J	26	J
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	2	U	14000	J+	88	J-	110		29	J	64	J
SW-846 8270D SIM modified	Naphthalene	ug/kg	2	U	7000		24		29		7	J	17	J
SW-846 8270D SIM modified	Perylene	ug/kg	11		5400	J+	34		41		11	J	25	J
SW-846 8270D SIM modified	Phenanthrene	ug/kg	2	U	70000	J+	260		300		110	J	260	J
SW-846 8270D SIM modified	Pyrene	ug/kg	2	U	49000	J+	310		380		110	J	240	J

		Location	TR11_B		TR11_C		TR11_C		TR11_C	
		Field Sample ID	CVX-0014-01		CVX-0014-02		CVX-0014-03		CVX-0014-04	
		Sample Date	9/11/2014		9/11/2014		9/11/2014		9/11/2014	
		Sample Delivery Group	1502969		1502969		1502969		1502969	
		Sample Depth	0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units								
Lloyd Kahn modified	Total Organic Carbon	mg/kg	107	U	349		667		668	
SM 2540 G	Moisture	%	6.8		10.7		10		15.5	
EPA 821/R-91-100	ACID VOLATILE SULFIDE	UMOLES/G	0.63	U	0.63	U	0.63	U	0.63	UJ
SW-846 6010C	Cadmium	UMOLES/G	0.000548	J	0.000312	J	0.000574	J	0.000468	J
SW-846 6010C	Copper	UMOLES/G	0.0489		0.066		0.0515		0.0952	J-
SW-846 6010C	Lead	UMOLES/G	0.0362		0.0346		0.0363		0.0341	J+
SW-846 6010C	Nickel	UMOLES/G	0.0282		0.042		0.0481		0.0499	
SW-846 6010C	Silver	UMOLES/G	0.000427	U	0.000426	U	0.000437	U	0.000428	U
SW-846 6010C	Zinc	UMOLES/G	0.263		0.309		0.254		0.266	J
SW-846 6020A	Aluminum	mg/kg	12100		13200		14100		16700	
SW-846 6020A	Antimony	mg/Kg	0.0888	U	0.0927	U	0.0928	U	0.0989	UJ
SW-846 6020A	Arsenic	mg/Kg	4.11		3.35		2.41		3.47	
SW-846 6020A	Barium	mg/kg	34.6		40.3		28.6		41.9	J
SW-846 6020A	Beryllium	mg/Kg	0.385		0.451		0.391		0.516	
SW-846 6020A	Cadmium	mg/kg	0.0465	J	0.0573	J	0.0563	J	0.0719	J
SW-846 6020A	Calcium	mg/kg	4450		12700		1510		6490	J
SW-846 6020A	Chromium	mg/Kg	15		26.1		18.2		24	J
SW-846 6020A	Cobalt	mg/kg	10.1		8.81		9.84		9.71	J+
SW-846 6020A	Copper	mg/kg	14		11.8		10.7		12	
SW-846 6020A	IRON	mg/kg	26100		24700		27400		29900	
SW-846 6020A	Lead	mg/Kg	15.1		8.85		7.89		12.5	J+
SW-846 6020A	Magnesium	mg/kg	7660		12000		7550		10600	J
SW-846 6010C	Manganese	mg/kg	375		367		358		382	
SW-846 7471B	Mercury	mg/Kg	0.0508	J	0.0569	J	0.0351	J	0.0411	J
SW-846 6020A	Nickel	mg/Kg	20.9		27.7		23.1		28.5	J
SW-846 6020A	Potassium	mg/kg	1170		1640		941		1490	J
SW-846 6020A	Selenium	mg/Kg	0.201	J	0.162	J	0.13	J	0.203	J
SW-846 6020A	Silver	mg/Kg	0.021	U	0.022	U	0.022	U	0.0234	U
SW-846 6020A	Sodium	mg/kg	57.4	J	74.5	J	43.6	J	162	J
SW-846 6020A	Thallium	mg/Kg	0.0341	J	0.0547	J	0.0403	J	0.0455	J
SW-846 6020A	Vanadium	mg/kg	13.4		14.6		13.7		18.5	J
SW-846 6020A	Zinc	mg/Kg	62.2		70.9		71.7		87.2	J
SW-846 8082A	Aroclor 1016	ug/kg			4	U	3.9	U	4.3	U
SW-846 8082A	Aroclor 1221	ug/kg			5.1	U	5	U	5.4	U
SW-846 8082A	Aroclor 1232	ug/kg			8.9	U	8.7	U	9.5	U
SW-846 8082A	Aroclor 1242	ug/kg			3.7	U	3.6	U	3.9	U
SW-846 8082A	Aroclor 1248	ug/kg			3.7	U	3.6	U	3.9	U
SW-846 8082A	Aroclor 1254	ug/kg			3.7	U	3.6	U	3.9	U
SW-846 8082A	Aroclor 1260	ug/kg			5.4	U	5.4	U	5.8	U
SW-846 8082A	Aroclor-1262	ug/kg			3.7	U	3.6	U	3.9	U
SW-846 8082A	Aroclor-1268	ug/kg			3.7	U	3.6	U	3.9	U
SW-846 8082A	Polychlorinated biphenyls	ug/kg								
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	1	U	0.8	U	1	U	0.8	U

		Location	TR11_B		TR11_C		TR11_C		TR11_C	
		Field Sample ID	CVX-0014-01		CVX-0014-02		CVX-0014-03		CVX-0014-04	
		Sample Date	9/11/2014		9/11/2014		9/11/2014		9/11/2014	
		Sample Delivery Group	1502969		1502969		1502969		1502969	
		Sample Depth	0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units								
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	UJ	0.8	UJ	1	UJ	0.8	UJ
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	5	U	3	U	4	U	3	U
SW-846 8260C	2-Hexanone	ug/Kg	4	U	3	U	3	U	2	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	4	U	3	U	3	U	2	U
SW-846 8260C	Acetone	ug/kg	10	J	32		19	J	10	J
SW-846 8260C	Benzene	ug/kg	0.6	U	0.4	U	0.5	U	0.4	U
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Bromoform	ug/kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U	2	U	2	U	2	U
SW-846 8260C	Carbon Disulfide	ug/kg	2	J	2	J	3	J	4	J
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Chlorobenzene	ug/kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Chloroethane	ug/Kg	2	U	2	U	2	U	2	U
SW-846 8260C	Chloroform	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U	2	U	2	U	2	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Ethylbenzene	ug/kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U	2	U	2	U	2	U
SW-846 8260C	Styrene	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Toluene	ug/kg	1	U	1	J	1	U	0.8	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	1	U	0.8	U	1	U	0.8	U
SW-846 8260C	Xylenes, Total	ug/kg	1	U	0.8	U	1	U	0.8	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	8		1	J	2	J	8	
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	2		0.7	J	3		2	
SW-846 8270D SIM modified	Anthracene	ug/kg	25		5		7		36	
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	31		16		26		110	
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	29		17		23		91	
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	29		21		26		100	
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	18		12		16		57	
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	25		16		19		80	
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	19		14		20		64	
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	13		9		18		70	
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	26		13		26		100	
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	5		1	J	3		11	
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	9		1	J	2		5	
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	24		9		23		110	
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	6		4		10		28	
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	2		0.7	U	0.7	U	10	

		Location	TR11_B		TR11_C		TR11_C		TR11_C	
		Field Sample ID	CVX-0014-01		CVX-0014-02		CVX-0014-03		CVX-0014-04	
		Sample Date	9/11/2014		9/11/2014		9/11/2014		9/11/2014	
		Sample Delivery Group	1502969		1502969		1502969		1502969	
		Sample Depth	0-0.5 FT		0-0.5 FT		0.5-1 FT		1-2 FT	
		Matrix	SOIL		SOIL		SOIL		SOIL	
		Sample Purpose	Regular sample		Regular sample		Regular sample		Regular sample	
		Sample Type	Sediment		Sediment		Sediment		Sediment	
Analytical Method	Parameter Name	Units								
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	14		1	J	3		11	
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	12		6		15		72	
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	2		2		6		11	
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	0.7	U	0.7	U	0.7	U	0.8	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	9		1	J	3		12	
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	5		3		8		31	
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	0.7	U	0.7	U	0.7	U	0.8	U
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	4		0.8	J	3		10	
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	0.7	U	0.7	U	0.7	U	0.8	U
SW-846 8270D SIM modified	Chrysene	ug/kg	33		22		33		130	
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	4		3		5		15	
SW-846 8270D SIM modified	Fluoranthene	ug/kg	88		41		63		240	
SW-846 8270D SIM modified	Fluorene	ug/kg	12		2	J	3		10	
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	20		13		18		64	
SW-846 8270D SIM modified	Naphthalene	ug/kg	7		0.8	J	1	J	4	
SW-846 8270D SIM modified	Perylene	ug/kg	8		5		9		25	
SW-846 8270D SIM modified	Phenanthrene	ug/kg	90		22		32		170	
SW-846 8270D SIM modified	Pyrene	ug/kg	70		33		53		210	

ATTACHMENT A-3

VALIDATED LABORATORY MIXED COMPOSITE DATA

		Location	Mixed Comp	
		Field Sample ID	Mixed Composite	
		Sample Date	8/25/2014	
		Sample Delivery Group	1498789	
		Matrix	SOIL	
		Sample Purpose	Regular sample	
		Sample Type	Soil Boring	
Analytical Method	Parameter Name	Units		
SM 2540 G	Moisture	%	0.5	U
SW-846 8082A	Aroclor 1016	ug/kg	3.6	U
SW-846 8082A	Aroclor 1221	ug/kg	4.6	U
SW-846 8082A	Aroclor 1232	ug/kg	8	U
SW-846 8082A	Aroclor 1242	ug/kg	3.3	U
SW-846 8082A	Aroclor 1248	ug/kg	3.3	U
SW-846 8082A	Aroclor 1254	ug/kg	3.3	U
SW-846 8082A	Aroclor 1260	ug/kg	4.9	U
SW-846 8082A	Aroclor-1262	ug/kg	3.3	U
SW-846 8082A	Aroclor-1268	ug/kg	3.3	U
SW-846 8260C	1,1,1-Trichloroethane	ug/kg	1	U
SW-846 8260C	1,1,2,2-Tetrachloroethane	ug/kg	1	U
SW-846 8260C	1,1,2-Trichloroethane	ug/Kg	1	U
SW-846 8260C	1,1-Dichloroethane	ug/kg	1	U
SW-846 8260C	1,1-Dichloroethene (Dichloroethylene)	ug/Kg	1	U
SW-846 8260C	1,2-Dichloroethane	ug/Kg	1	U
SW-846 8260C	1,2-Dichloropropane	ug/Kg	1	U
SW-846 8260C	2-Butanone (Methyl ethyl ketone)	ug/Kg	4	U
SW-846 8260C	2-Hexanone	ug/Kg	3	U
SW-846 8260C	4-Methyl-2-pentanone	ug/Kg	3	U
SW-846 8260C	Acetone	ug/kg	7	U
SW-846 8260C	Benzene	ug/kg	0.5	U
SW-846 8260C	Bromodichloromethane	ug/Kg	1	U
SW-846 8260C	Bromoform	ug/kg	1	U
SW-846 8260C	Bromomethane (Methyl bromide)	ug/Kg	2	U
SW-846 8260C	Carbon Disulfide	ug/kg	1	U
SW-846 8260C	Carbon Tetrachloride	ug/Kg	1	U
SW-846 8260C	Chlorobenzene	ug/kg	1	U
SW-846 8260C	Chloroethane	ug/Kg	2	U
SW-846 8260C	Chloroform	ug/Kg	1	U
SW-846 8260C	Chloromethane (Methyl chloride)	ug/Kg	2	U
SW-846 8260C	cis-1,2-Dichloroethene	ug/Kg	1	U
SW-846 8260C	cis-1,3-Dichloropropene	ug/kg	1	U
SW-846 8260C	Dibromochloromethane	ug/Kg	1	U
SW-846 8260C	Ethylbenzene	ug/kg	1	U
SW-846 8260C	Methylene chloride (Dichloromethane)	ug/Kg	2	U
SW-846 8260C	Styrene	ug/Kg	1	U
SW-846 8260C	Tetrachloroethene	ug/Kg	1	U
SW-846 8260C	Toluene	ug/kg	1	U
SW-846 8260C	trans-1,2-Dichloroethene	ug/Kg	1	U
SW-846 8260C	trans-1,3-Dichloropropene	ug/Kg	1	U
SW-846 8260C	Trichloroethene (Trichloroethylene)	ug/Kg	1	U
SW-846 8260C	Vinyl chloride (Chloroethene)	ug/Kg	1	U
SW-846 8260C	Xylenes, Total	ug/kg	1	U
SW-846 8270D SIM modified	Acenaphthene	ug/kg	0.7	U
SW-846 8270D SIM modified	Acenaphthylene	ug/kg	0.7	U
SW-846 8270D SIM modified	Anthracene	ug/kg	0.7	U
SW-846 8270D SIM modified	Benzo(a)anthracene	ug/kg	0.7	U
SW-846 8270D SIM modified	Benzo(a)Pyrene	ug/kg	0.7	U
SW-846 8270D SIM modified	Benzo(b)Fluoranthene	ug/kg	0.7	U
SW-846 8270D SIM modified	Benzo(g,h,i)perylene	ug/kg	0.7	U
SW-846 8270D SIM modified	Benzo(k)Fluoranthene	ug/kg	0.7	U
SW-846 8270D SIM modified	Benzo[e]pyrene	ug/kg	0.7	U
SW-846 8270D SIM modified	C1-Benzanthrene/chrysenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C1-FLUORANTHRENES/PYRENES	ug/kg	0.7	U
SW-846 8270D SIM modified	C1-Fluorenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C1-Naphthalenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C1-PHENANTHRENES/ANTHRACENES	ug/kg	0.7	U
SW-846 8270D SIM modified	C2-Benzanthrene/chrysenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C2-Fluorenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C2-Naphthalenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C2-PHENANTHRENES/ANTHRACENES	ug/kg	0.7	U
SW-846 8270D SIM modified	C3-Benzanthrene/chrysenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C3-Fluorenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C3-Naphthalenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C3-PHENANTHRENES/ANTHRACENES	ug/kg	0.7	U
SW-846 8270D SIM modified	C4-Benzanthrene/chrysenes	ug/kg	0.7	U

		Location	Mixed Comp	
		Field Sample ID	Mixed Composite	
		Sample Date	8/25/2014	
		Sample Delivery Group	1498789	
		Matrix	SOIL	
		Sample Purpose	Regular sample	
		Sample Type	Soil Boring	
Analytical Method	Parameter Name	Units		
SW-846 8270D SIM modified	C4-Naphthalenes	ug/kg	0.7	U
SW-846 8270D SIM modified	C4-PHENANTHRENES/ANTHRACENES	ug/kg	0.7	U
SW-846 8270D SIM modified	Chrysene	ug/kg	0.7	U
SW-846 8270D SIM modified	Dibenz(a,h)anthracene	ug/kg	0.7	U
SW-846 8270D SIM modified	Fluoranthene	ug/kg	0.7	U
SW-846 8270D SIM modified	Fluorene	ug/kg	0.7	U
SW-846 8270D SIM modified	Indeno(1,2,3-cd)pyrene	ug/kg	0.7	U
SW-846 8270D SIM modified	Naphthalene	ug/kg	0.7	U
SW-846 8270D SIM modified	Perylene	ug/kg	0.7	U
SW-846 8270D SIM modified	Phenanthrene	ug/kg	0.7	U
SW-846 8270D SIM modified	Pyrene	ug/kg	0.7	U

APPENDIX B

LABORATORY ANALYTICAL REPORT WITH CHAIN-OF-CUSTODY FORMS

(Data Provided On Disks)

APPENDIX C

SEDIMENT CORE LOGS

Site: Beacon, NY	Drilling Company: ATL	Northing: 977447.61
Boring/Well ID: TR01_A	Driller: Mark Childs	Easting: 649766.70
Permit No: NA	Consulting Firm: Parsons	Elevation: 212.08
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/18/2014	Drill Rig Type: MC	Total Depth: 3.38 Ft
Complete Date: 08/19/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0004-01		0		SM		Wet, brown, fine to coarse SAND, trace silt, trace organic roots, no odors, no sheen.
	CVX-0004-02		0		SM		Wet, brown, fine to medium SAND, some silt, trace organics, no odors, no sheen.
1	CVX-0004-03		0		SW		12 to 15 inches is wet, brown, fine to medium SAND, trace silt, trace organics, no staining, no odor, no sheen. 15 to 24 inches is wet, brown, fine to medium SAND, some fine to medium gravel, trace silt, no odors, no staining, no sheen.
2	CVX-0004-08		0		SM/SC		Wet, light brown to brow, fine to medium SAND, trace silt and clay, no odors, no sheen, no straining.
3							
3.38							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977436.91
Boring/Well ID: TR01_B	Driller: Mark Childs	Easting: 649790.93
Permit No: NA	Consulting Firm: Parsons	Elevation: 192.985
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/18/2014	Drill Rig Type: MC	Total Depth: 3.38 Ft
Complete Date: 08/19/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0004-04		0		SW/SP		Wet, brown to grey, fine to coarse GRAVEL, some fine to medium sand, trace silt, little organics, no odors, no sheens, no staining.
	CVX-0004-05		0		SW/SP		Wet, brown to grey, fine to coarse GRAVEL, some fine to medium sand, trace silt, some organics (wood), no odors, no sheens, no staining.
1	CVX-0004-06 CVX-0004-07		0		SW/SP		Wet, brown, fine to medium SAND, some fine to medium gravel, trace silt, trace organics, no odor, no sheens, no staining.
2							
3							
3.38							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977433.67
Boring/Well ID: TR01_C	Driller: Mark Childs	Easting: 649807.31
Permit No: NA	Consulting Firm: Parsons	Elevation: 194.227
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/18/2014	Drill Rig Type: MC	Total Depth: 3.38 Ft
Complete Date: 08/19/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0004-09		0		SM		Wet, dark brown to dark grey, fine to medium SAND, some silt, trace fine gravel, trace organic roots, no odor, no sheen, no staining.
	CVX-0004-10		0		SM		Wet, dark brown to dark grey, fine to medium SAND, some silt, trace fine gravel, trace organics, no odors, no sheens, no staining.
1	CVX-0004-11		0		SM		Wet, brown, 12 to 13 inches has organic roots, trace fine sand and silt. 13 to 24 inches is wet, brown, fine to medium SAND, trace silt, some organics, no sheen, no odors, no staining.
2	CVX-0004-12		0		SM/SP		Wet, brown, fine to medium SAND, some fine gravel, trace silt, no odors, no staining, no sheen.
3							
3.38							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977434.02
Boring/Well ID: TR01_D	Driller: Mark Childs	Easting: 649821.67
Permit No: NA	Consulting Firm: Parsons	Elevation: 194.355
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/18/2014	Drill Rig Type: MC	Total Depth: 3.38 Ft
Complete Date: 08/19/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0004-13		0		SM		Wet, dark brown, fine to medium SAND, some silt, trace organics, no odors, no staining, no sheen.
	CVX-0004-14		0		SM		Wet, dark brown, fine to medium SAND, some silt, trace organics, no odors, no staining, no sheen.
1	CVX-0004-15		0		SM		Wet, brown, fine to medium SAND, trace silt, trace organics, no sheen, no odors, no staining.
2	CVX-0004-16		0		SM/SP		Wet, brown to grey, fine to medium SAND, some fine gravel, trace organics, no sheen, no odor, no staining.
3							
3.38							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977426.04
Boring/Well ID: TR01_E	Driller: Mark Childs	Easting: 649848.75
Permit No: NA	Consulting Firm: Parsons	Elevation: 202.303
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/18/2014	Drill Rig Type: MC	Total Depth: 3.38 Ft
Complete Date: 08/19/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0004-17		0		SP		Wet, brown, fine to medium SAND, some fine to coarse gravel, trace silt, no odors, no sheen, no staining.
	CVX-0004-18		0		SP		Wet, brown, fine to medium SAND, some fine to coarse gravel, trace silt, no odors, no sheen, no staining.
1							
2							
3							
3.38							

Site: Beacon, NY	Drilling Company: ATL	Northing: 976726.49
Boring/Well ID: TR02_A	Driller: Mark Childs	Easting: 648556.90
Permit No: NA	Consulting Firm: Parsons	Elevation: 194.147
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/14/2014	Drill Rig Type: MC	Total Depth: 3.33 Ft
Complete Date: 08/14/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0001-01		0		SM		Wet, grey, fine to medium SAND, trace silt, some organic roots in the top 1-inch. No odors, no sheen or staining. PID 0.0
	CVX-0001-02		0		SC		Wet, grey, CLAY, some silt, trace to some fine to medium sand, trace to some medium to coarse gravel, no odors, no sheen. PID 0.0
1							
2							
3							
3.33							

Site: Beacon, NY	Drilling Company: ATL	Northing: 976715.19
Boring/Well ID: TR02_B	Driller: Mark Childs	Easting: 648576.13
Permit No: NA	Consulting Firm: Parsons	Elevation: 192.573
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/19/2014	Drill Rig Type: MC	Total Depth: 1.17 Ft
Complete Date: 08/20/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0005-01		0		ML		Wet, grey, SILT, some clay, some fine to coarse gravel, trace fine to medium sand, no odors, no sheen, no staining.
1							
1.17							

Site: Beacon, NY	Drilling Company: ATL	Northing: 976709.96
Boring/Well ID: TR02_C	Driller: Mark Childs	Easting: 648587.25
Permit No: NA	Consulting Firm: Parsons	Elevation: 192.843
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/19/2014	Drill Rig Type: MC	Total Depth: 1.58 Ft
Complete Date: 08/20/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0005-04		0		SM/SC		Wet, brown, SILT, some fine to medium sand, some clay, trace fine to medium gravel, no odor, no sheen, no staining.
1							
1.58							

Site: Beacon, NY	Drilling Company: ATL	Northing: 976702.03
Boring/Well ID: TR02_D	Driller: Mark Childs	Easting: 648592.52
Permit No: NA	Consulting Firm: Parsons	Elevation: 193.537
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/19/2014	Drill Rig Type: MC	Total Depth: 3.83 Ft
Complete Date: 08/20/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0005-05		0		SM/SC		Wet, brown, SILT, some fine sand, trace clay, trace fine to medium gravel, no odors, no sheen, no staining.
	CVX-0005-06		0		SM/SC		Wet, brown, SILT, some fine sand, trace clay, trace fine to medium gravel, no odors, no sheen, no staining.
1							
2							
3							
3.83							

Site: Beacon, NY	Drilling Company: ATL	Northing: 976694.07
Boring/Well ID: TR02_E	Driller: Mark Childs	Easting: 648607.26
Permit No: NA	Consulting Firm: Parsons	Elevation: 196.24
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/19/2014	Drill Rig Type: MC	Total Depth: 3.5 Ft
Complete Date: 08/20/2014	Drilling Method: Direct Push	Boring Diameter: NA
Weather: Sunny, 60s	Sample Method: MC	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0005-07		0		SM		Wet, dark brown, SILT, some fine to medium sand, some organics, trace clam shells, no odors, no sheen, no staining.
	CVX-0005-08		0		SM		Wet, dark brown, SILT, some fine to medium sand, some organics, trace clam shells, no odors, no sheen, no staining.
1	CVX-0005-09		0		SM		Top 3 inches is wet, dark brown, SILT, some fine to medium sand, some organics, trace clam shells, no odors, no sheen, no staining. Rest of core is wet, brown, fine to medium SAND, some silt, trace clay, trace fine gravel, no odors, no sheen, no staining.
2	CVX-0005-10		0		SM		Wet, brown to grey, fine to medium SAND, some silt, trace clay, trace organics, between 30 and 31 inches there is less fine to medium sand and more silt, no odors, no sheen, no staining.
3							
3.5							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978137.58
Boring/Well ID: TR03_C	Driller: Mark Childs	Easting: 647383.15
Permit No: NA	Consulting Firm: Parsons	Elevation: 193.579
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/26/2014	Drill Rig Type: Vibracore	Total Depth: 2.0 Ft
Complete Date: 08/27/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0011-12 CVX-0011-13		0		SP		Wet, brown, fine to coarse SAND, some fine to medium gravel, trace silt, no odors, no staining, no sheens.
1							
2.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978285.14
Boring/Well ID: TR04_C	Driller: Mark Childs	Easting: 647149.38
Permit No: NA	Consulting Firm: Parsons	Elevation: 189.548
Location: Fishkill Creek	Logged By: SARA WEISHAUPT	Datum: Ground Surface
Start Date/Time: 08/27/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/27/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0007-01		0		ML		Wet, dark brown, SILT, some organics, trace to some fine sand, no odor, sheen, or staining.
	CVX-0007-02		0		ML/SM		Wet, dark brown, SILT, some fine sand/organics, no odor, sheen, or staining.
1	CVX-0007-03		0		ML		Wet, brown, SILT, some fine sand, trace clay, some organics, no odor, sheen, or staining.
2	CVX-0007-04 CVX-0007-05		0		ML/SM		24 to 31 inches -wet, brown, SILT, some fine sand, some organics, trace clay. 31 to 36 inches -wet, brown, FINE TO MEDIUM SAND, little silt, trace clay, trace organics, no odor, sheen, or staining.
3							
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978197.51
Boring/Well ID: TR05_A	Driller: Mark Childs	Easting: 646833.31
Permit No: NA	Consulting Firm: Parsons	Elevation: 192.835
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/26/2014	Drill Rig Type: Vibracore	Total Depth: 4.0 Ft
Complete Date: 08/27/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0011-05		0		ML		Wet, brown, SILT, some clay, little fine sand, trace medium to coarse gravel, no staining, no odors, no sheens.
	CVX-0011-06		0		ML		Wet, light brown, SILT, some clay, little fine sand, some fine gravel, no staining, no odors, no sheens.
1	CVX-0011-07		0		ML		Wet, brown, SILT, some clay, some fine sand, trace fine to medium gravel, no staining, no odors, no sheen.
2	CVX-0011-08		0		GM		Wet, brown, fine to medium GRAVEL, some silt, some fine sand, trace clay, bottom 1 inch is hard till, no staining, no odors, no sheens.
3							
4.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978162.19
Boring/Well ID: TR05_B	Driller: Mark Childs	Easting: 646847.24
Permit No: NA	Consulting Firm: Parsons	Elevation: 188.374
Location: Fishkill Creek	Logged By: SARA WEISHAUPT	Datum: Ground Surface
Start Date/Time: 08/26/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/26/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0010-19		0		SW/GC		Wet, brown, FINE TO MEDIUM SAND, some medium to coarse gravel, trace silt, piece of metal, no odor, sheen, or staining.
	CVX-0010-20		0		GC		Wet, brown, FINE TO COARSE SAND, some fine to coarse gravel, trace silt and cobbles, no odor, sheen, or staining.
1							
2							
3							
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978123.41
Boring/Well ID: TR05_C	Driller: Mark Childs	Easting: 646876.09
Permit No: NA	Consulting Firm: Parsons	Elevation: 188.86
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/26/2014	Drill Rig Type: Vibracore	Total Depth: 4.0 Ft
Complete Date: 08/27/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0011-10		0		MH		Wet, dark brown, SILT. Some fine sand, some organics, no staining, no odors, no sheens.
	CVX-0011-11		0		MH		Wet, dark brown, SILT, some fine sand, some organics, no staining, no odors, no sheens.
1							
2							
3							
4.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978080.22
Boring/Well ID: TR05_D	Driller: Mark Childs	Easting: 646884.29
Permit No: NA	Consulting Firm: Parsons	Elevation: 195.905
Location: Fishkill Creek	Logged By: SARA WEISHAUPT	Datum: Ground Surface
Start Date/Time: 08/25/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/26/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 60s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0010-08		0		ML		Wet, brown, SILT, some organics, little fine sand, no odor, sheen, or staining.
	CVX-0010-09		0		ML		Wet, brown, SILT, some organics, little fine sand, no odor, sheen, or staining.
1	CVX-0010-10		0		ML		Wet, brown, SILT, little clay, trace fine sand, some organics, no odor, sheen, or staining.
2	CVX-0010-11		0		ML		Wet, brown, SILT, some clay, trace fine sand, trace organics, medium sand seam from 27 to 28 inches, no odor, sheen, or staining.
3							
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978058.58
Boring/Well ID: TR05_E	Driller: Mark Childs	Easting: 646899.49
Permit No: NA	Consulting Firm: Parsons	Elevation: 195.031
Location: Fishkill Creek	Logged By: SARA WEISHAUPT	Datum: Ground Surface
Start Date/Time: 08/25/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/26/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 60s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0010-01		0		ML		Wet, brown, SILT, trace fine sand, trace medium gravel, little organics, no odor, sheen, or staining.
	CVX-0010-02		0		ML		Wet, brown, SILT, little fine sand, trace organics ,no odor, sheen, or staining.
1	CVX-0010-03		0		SM		Wet, brown, FINE TO MEDIUM SAND, some silt, trace fine gravel, no odor, sheen, or staining.
2	CVX-0010-04 CVX-0010-05		0		SM		Wet, brown, FINE TO MEDIUM SAND, some silt, trace fine gravel, no odor, sheen, or staining.
3							
4							
5.0							

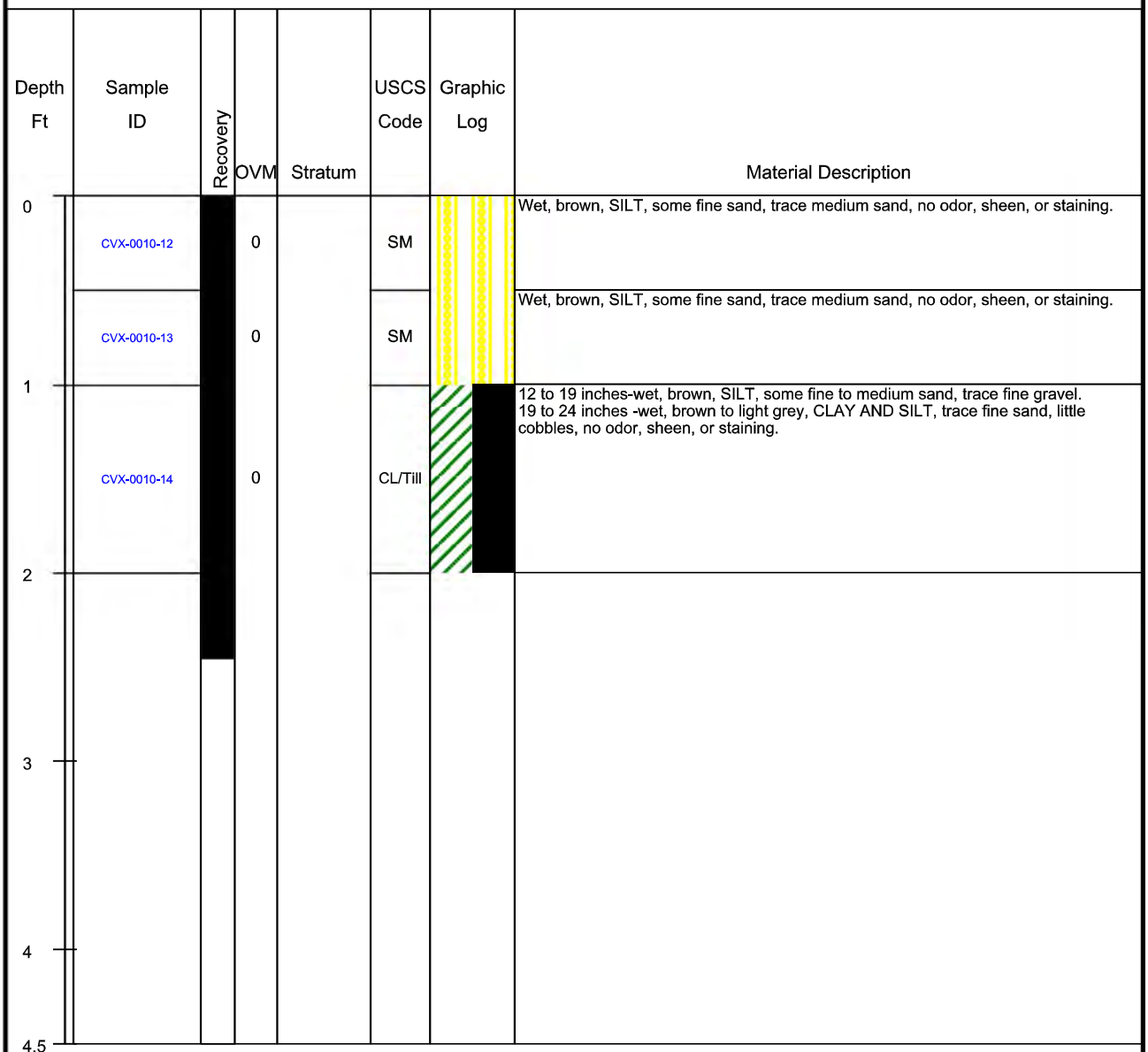
Site: Beacon, NY	Drilling Company: ATL	Northing: 978113.10
Boring/Well ID: TR06_A	Driller: Mark Childs	Easting: 646585.70
Permit No: NA	Consulting Firm: Parsons	Elevation: 192.939
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/26/2014	Drill Rig Type: Vibracore	Total Depth: 4.0 Ft
Complete Date: 08/27/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0011-01		0		MH/ML		Wet, brown, SILT, some organics, trace fine sand, no staining, no sheens, no odors.
	CVX-0011-02		0		SM		Wet, brown, SILT, some fine to medium sand, trace organics, no staining, no sheens, no odors.
1	CVX-0011-03		0		ML/CL		Wet, brown to olive green, SILT and Clay, some fine sand, trace organics, no staining, no sheens, no odors.
2	CVX-0011-04		0		CL/ML		Wet, brown to olive green, CLAY and Silt, some fine to coarse gravel, little fine sand, no staining, no odors, no sheens.
3							
4.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978074.14
Boring/Well ID: TR06_B	Driller: Mark Childs	Easting: 646594.99
Permit No: NA	Consulting Firm: Parsons	Elevation: 189.239
Location: Fishkill Creek	Logged By: SARA WEISHAUPT	Datum: Ground Surface
Start Date/Time: 08/25/2014	Drill Rig Type: Vibracore	Total Depth: 4.5 Ft
Complete Date: 08/26/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 60s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:



Site: Beacon, NY	Drilling Company: ATL	Northing: 978037.44
Boring/Well ID: TR06_C	Driller: Mark Childs	Easting: 646610.27
Permit No: NA	Consulting Firm: Parsons	Elevation: 188.105
Location: Fishkill Creek	Logged By: SARA WEISHAUPT	Datum: Ground Surface
Start Date/Time: 08/25/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/26/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 60s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0010-06		0		ML		Wet, brown, SILT, little fine sand , trace clay, trace organics, no odor, sheen, or staining.
	CVX-0010-07		0		SW		Wet, brown, FINE TO COARSE SAND, little fine to medium gravel, trace cobbles, little silt, no odor, sheen , or staining.
1							
2							
3							
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977997.21
Boring/Well ID: TR06_D	Driller: Mark Childs	Easting: 646604.35
Permit No: NA	Consulting Firm: Parsons	Elevation: 189.923
Location: Fishkill Creek	Logged By: SARA WEISHAUPT	Datum: Ground Surface
Start Date/Time: 08/25/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/26/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 60s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0010-15		0		ML		Wet, brown, SILT, some fine sand, trace organics, no odor, sheen, or staining.
	CVX-0010-16		0		ML		Wet, brown, SILT, little fine sand, trace clay, trace fine gravel, no odor, sheen, or staining.
1	CVX-0010-17		0		ML		Wet, brown, SILT, little fine sand, trace clay, fine to medium gravel seam from 22 to 24 inches, no odor, sheen, or staining.
2	CVX-0010-18		0		ML		Wet, brown, SILT, some clay, little fine sand, trace fine gravel and organics, no odor, sheen, or staining.
3							
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977954.34
Boring/Well ID: TR06_E	Driller: Mark Childs	Easting: 646625.85
Permit No: NA	Consulting Firm: Parsons	Elevation: 193.747
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/25/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/25/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 60s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0009-16		0		ML		Wet, brown, SILT, some fine sand, trace organics, no odors, no staining, no sheens.
	CVX-0009-17		0		ML/CL		Wet, brown, CLAY and Silt, some fine gravel, trace organics, no odors, no staining, no sheens.
1	CVX-0009-18		0		ML		Wet, brown, SILT, some clay, trace organics, no odors, no sheens, no staining.
2	CVX-0009-19		0		ML/CL		24 to 34 inches is wet, brown, SILT, some clay, some fine sand, trace organics, no odor, no sheen, no staining. 34 to 36 inches is wet, grey to brown, CLAY, some silt, little fine gravel, little fine sand, no odor, no sheen, no staining.
3							
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978150.16
Boring/Well ID: TR07_A	Driller: Mark Childs	Easting: 646164.80
Permit No: NA	Consulting Firm: Parsons	Elevation: 190.413
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/22/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/25/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0009-01		0		SM/SP		Wet, brown, SILT, some fine to medium gravel, trace clay, trace organics, no sheen, no odors, no staining.
	CVX-0009-02		0		ML		Wet, brown, SILT and Clay, trace fine gravel, trace organics, no odors, no sheens, no staining.
1	CVX-0009-03 CVX-0009-04		0		ML		Wet, brown, SILT and Clay, trace fine gravel, trace organics, no odors, no sheens, no staining.
2							
3							
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978112.80
Boring/Well ID: TR07_B	Driller: Mark Childs	Easting: 646115.74
Permit No: NA	Consulting Firm: Parsons	Elevation: 190.139
Location: Fishkill Creek	Logged By: SARA WEISHAUPT	Datum: Ground Surface
Start Date/Time: 08/21/2014	Drill Rig Type: Vibracore	Total Depth: 8.67 Ft
Complete Date: 08/22/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Rain, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0008-01		0		SW		Wet, grey, MEDIUM TO COARSE SAND, little fine gravel, trace silt, no odor, sheen, or staining.
	CVX-0008-02		0		ML		Wet, brown, SILT AND CLAY, trace fine sand, trace organics, no odor, sheen, or staining.
1	CVX-0008-03		0		ML		Wet, brown, CLAY AND SILT, trace fine sand, trace organics, no odor, sheen, or staining. 14 to 16 inches-fine to medium sand seam.
2	CVX-0008-04		0		SW/ML		24 to 30 inches -wet, brown, MEDIUM TO COARSE SAND, trace fine gravel, trace silt. 30 to 36 inches -wet, brown, CLAY, some silt, trace fine sand, no odor, sheen, or staining.
3	CVX-0008-05		0		ML		Wet, brown, CLAY AND SILT, trace fine sand and organics, no odor, sheen, or staining
4	CVX-0008-06		0		GC/ML		48 to 53 inches -wet, grey, MEDIUM TO COARSE SAND, little fine to medium gravel, trace cobble and silt. 53 to 56 inches -wet, brown, CLAY, some silt, trace fine sand, trace organics. 56 to 60 inches -wet, brown, FINE SAND, little silt, little organics, no odor, sheen, or staining.
5	CVX-0008-07		0		SM/ML		60 to 64 inches -wet, brown, FINE SAND, little silt, trace organics. 64 to 72 inches -wet, brown, CLAY, some silt, trace fine sand and organics, no odor, sheen, or staining.
6							
7							
8							
8.67							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978065.31
Boring/Well ID: TR07_C	Driller: Mark Childs	Easting: 646127.91
Permit No: NA	Consulting Firm: Parsons	Elevation: 189.25
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/22/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/25/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0009-05		0		GC/SW		Wet, brown, fine to medium GRAVEL, some fine to medium sand, trace silt, no odor, no sheens, no staining.
	CVX-0009-06		0		GC/SW		Wet, brown, fine to medium GRAVEL, some fine to medium sand, trace silt, no odor, no sheens, no staining.
1							
2							
3							
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978025.68
Boring/Well ID: TR07_D	Driller: Mark Childs	Easting: 64611.72
Permit No: NA	Consulting Firm: Parsons	Elevation: 192.384
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/22/2014	Drill Rig Type: Vibracore	Total Depth: 7.0 Ft
Complete Date: 08/25/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0009-07		0		ML		Wet, brown, SILT, some clay, some fine gravel, trace organics, no staining, no sheens, no odors.
	CVX-0009-08		0		CL/ML		6 to 9 inches is wet, brown, SILT, some clay, some fine gravel, trace organics, no staining, no sheens, no odors. 9 to 12 inches is wet, brown, CLAY and Silt, trace fine gravel, trace organics, no odors, no sheens, no staining.
1	CVX-0009-09		0		SM		Wet, brown, SILT, some fine sand, trace clay, trace fine gravel, no odors, no sheen, no staining.
2	CVX-0009-10		0		SM/ML		24 to 28 inches is wet, brown to light brown, SILT, some fine sand, trace clay, no odors, no sheen, no staining. 28 to 36 inches is wet, light brown to brown, CLAY and Silt, trace fine sand, trace fine gravel, no odors, no staining, no sheen.
3							
4							
5							
6							
7.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977998.60
Boring/Well ID: TR07_E	Driller: Mark Childs	Easting: 646100.83
Permit No: NA	Consulting Firm: Parsons	Elevation: 193.947
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 08/22/2014	Drill Rig Type: Vibracore	Total Depth: 5.0 Ft
Complete Date: 08/25/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Cloudy, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0009-11		0		ML/SC		Wet, brown, SILT, some clay, trace fine to coarse gravel, trace organics, no odors, no staining, no sheens.
	CVX-0009-12		0		ML/SC		Wet, brown, SILT, some clay, trace fine to coarse gravel, trace organics, no odors, no staining, no sheens.
1	CVX-0009-13		0		ML		Wet, brown, SILT, some fine sand, trace organics trace clay, no odors, no staining, no sheens.
2	CVX-0009-14		0		ML/CL		24 to 29 inches is wet, brown, SILT, some clay, trace fine sand, some organics, no odors, no sheen, no staining. 29 to 36 inches, wet, light brown to olive green, soft, CLAY, some silt, trace organics, trace fine sand, trace organics, no odors, no sheens, no staining.
3	CVX-0009-15		0		ML		Wet, brown, SILT, some fine sand, trace organics trace clay, no odors, no staining, no sheens.
4							
5.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 978002.189
Boring/Well ID: TR09_C	Driller: Mark Childs	Easting: 645646.091
Permit No: NA	Consulting Firm: Parsons	Elevation: 174.436
Location: Fishkill Creek	Logged By: ED ASHTON	Datum: Ground Surface
Start Date/Time: 09/09/2014	Drill Rig Type: Vibracore	Total Depth: 1.5 Ft
Complete Date: 09/10/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0013-01		0		SM		Wet, brown, FINE TO COARSE SAND, some fine to medium gravel, trace silt, no odor, sheen, or staining.
1							
1.5							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977868.297
Boring/Well ID: TR10_A	Driller: Mark Childs	Easting: 645437.912
Permit No: NA	Consulting Firm: Parsons	Elevation: 173.613
Location: Fishkill Creek	Logged By: BILL SIMONS	Datum: Ground Surface
Start Date/Time: 09/10/2014	Drill Rig Type: Vibracore	Total Depth: 4.0 Ft
Complete Date: 09/10/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0013-02		1.5		ML		Wet (extremely liquidy), brown, SILT, some fine sand, trace clay, no odor, sheens, or stains.
	CVX-0013-03		1		ML		Wet (extremely liquidy), brown, SILT, some fine sand, trace clay, no odor, sheens, or stains.
1	CVX-0013-04 CVX-0013-05		0.8		ML		Wet (extremely liquidy), brown, SILT, some fine sand, trace clay, no odor, sheens, or stains.
2							
3							
4.0							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977487.121
Boring/Well ID: TR11_B	Driller: Mark Childs	Easting: 645003.526
Permit No: NA	Consulting Firm: Parsons	Elevation: 158.51
Location: Fishkill Creek	Logged By: BILL SIMONS	Datum: Ground Surface
Start Date/Time: 09/10/2014	Drill Rig Type: Vibracore	Total Depth: 6.41 Ft
Complete Date: 09/11/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0014-01		0		SP		Wet, brown, FINE TO COURSE SAND, some fine to medium gravel, trace silt, no odor, sheen, or staining (little glass).
1							
2							
3							
4							
5							
6							
6.41							

Site: Beacon, NY	Drilling Company: ATL	Northing: 977470.517
Boring/Well ID: TR11_C	Driller: Mark Childs	Easting: 645018.938
Permit No: NA	Consulting Firm: Parsons	Elevation: 158.354
Location: Fishkill Creek	Logged By: BILL SIMONS	Datum: Ground Surface
Start Date/Time: 09/10/2014	Drill Rig Type: Vibracore	Total Depth: 4.0 Ft
Complete Date: 09/11/2014	Drilling Method: Vibracore	Boring Diameter: NA
Weather: Sunny, 70s	Sample Method: Vibracore	Water Depth in Soil: 0.0 Ft
Field Book No: NA	Hammer Weight: NA	
	Hammer Drop: NA	

Remarks:

Depth Ft	Sample ID	Recovery	OVM	Stratum	USCS Code	Graphic Log	Material Description
0	CVX-0014-02		0		SP		Wet, brown, FINE TO COURSE SAND, some fine to medium gravel, trace silt, no odor, sheen, or staining (trace glass and wood).
	CVX-0014-03		0.5		SP		Wet, brown, FINE TO COURSE SAND, some fine to medium gravel, trace silt, no odor, sheen, or staining (less gravel percentage then above).
1	CVX-0014-04		0		SP		Wet, brown, FINE TO COURSE SAND, some fine to medium gravel, trace silt, no odor, sheen, or staining (trace paint chips and less gravel percentage then above).
2							
3							
4.0							

APPENDIX D

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG
PARSONS

PROJECT: Fishkill Creek Sediment and Surface Water Sampling LOCATION: Former Texaco Research Center, Beacon, NY
PROJECT #: 448948.01000 CLIENT: Chevron Environmental Management Company

Photo by: E. Ashton

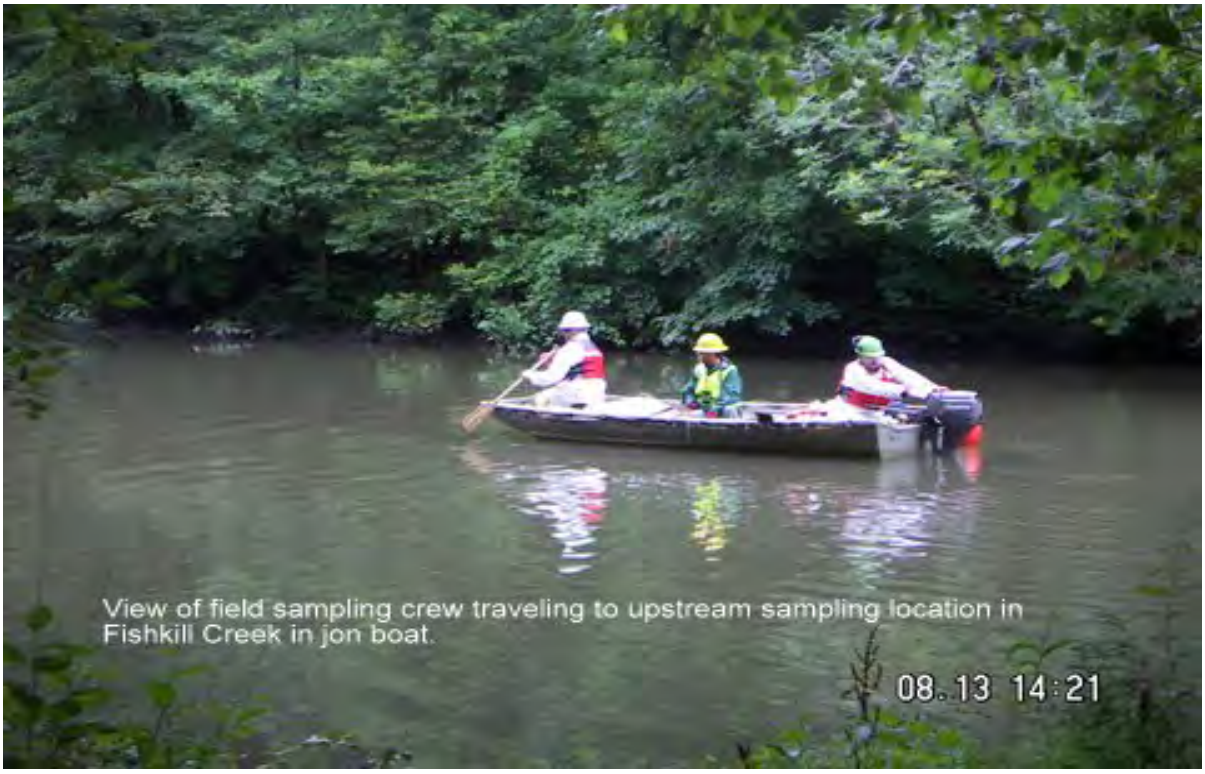


Photo by: E. Ashton

PHOTOGRAPHIC LOG
PARSONS

PROJECT: Fishkill Creek Sediment and Surface Water Sampling LOCATION: Former Texaco Research Center, Beacon, NY
PROJECT #: 448948.01000 CLIENT: Chevron Environmental Management Company

Status as of: 8-20-14
Photo by: C. Watson

PHOTOGRAPHIC LOG
PARSONS

PROJECT: Fishkill Creek Sediment and Surface Water Sampling LOCATION: Former Texaco Research Center, Beacon, NY
PROJECT #: 448948.01000 CLIENT: Chevron Environmental Management Company

Photo by: E. Ashton

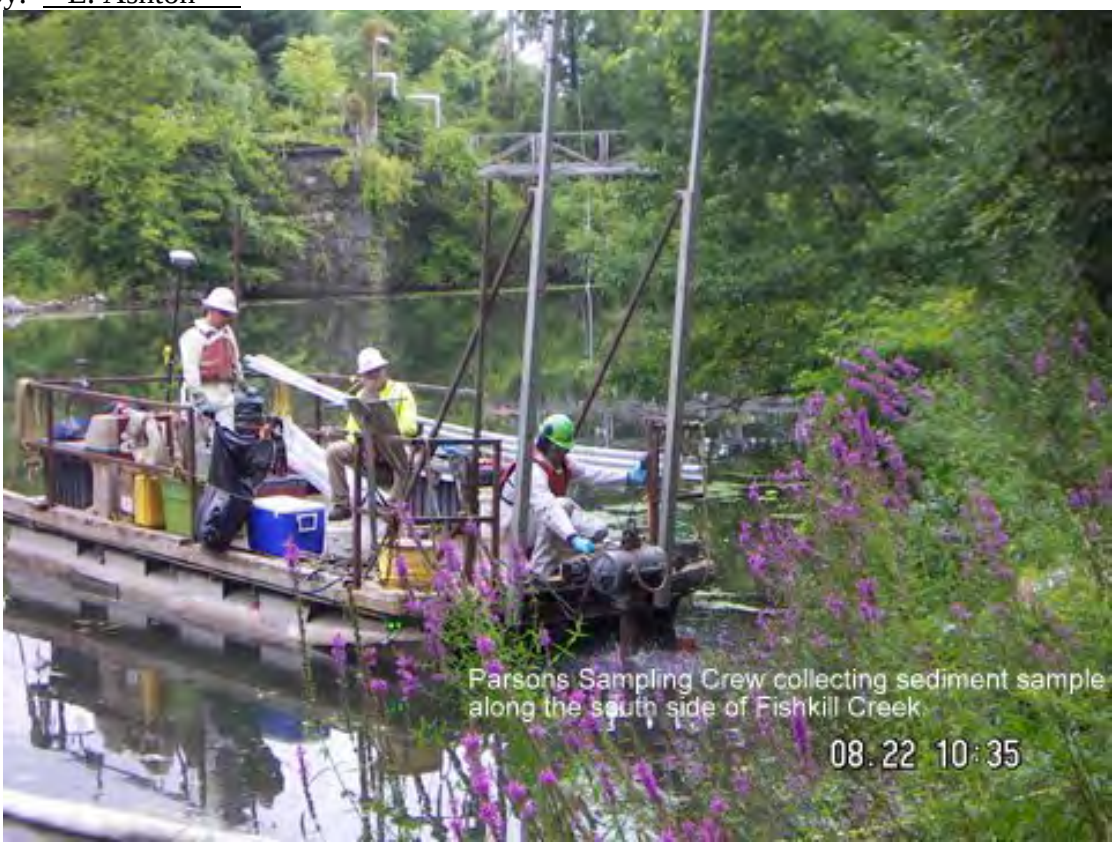


Photo by: E. Ashton

PHOTOGRAPHIC LOG
PARSONS

PROJECT: Fishkill Creek Sediment and Surface Water Sampling LOCATION: Former Texaco Research Center, Beacon, NY
PROJECT #: 448948.01000 CLIENT: Chevron Environmental Management Company

Photo by: C. Butler

Photo by: C. Butler

PHOTOGRAPHIC LOG
PARSONS

PROJECT: Fishkill Creek Sediment and Surface Water Sampling LOCATION: Former Texaco Research Center, Beacon, NY
PROJECT #: 448948.01000 CLIENT: Chevron Environmental Management Company

Photo by: C. Butler